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THE
ANIMAL KINGDOM,
ARRANGED ACCORDING TO ITS ORGANIZATION,
Serving as a
Foundation for the
NATURAL HISTORY OF ANIMALS,
and an
Introduction to comparative Anatomy.
BY
BARON CUVIER,

Great Officer of the Legion of Honour, Counsellor of State, ... Member of the Royal Council of Public Instruction, &c. of the Faculty of the French Academy, Perpetual Secretary to the Academy of Sciences, Member of the Academies & Royal Societies of London, Berlin, Petersburgh, Stockholm, Hain, Edinburgh, Copenhagen, Gottingen, Roma, Modena, the Netherlands, Calcutta, & of the Linnaean Society of London, &c. &c.

WITH FIGURES DESIGNED AFTER NATURE:
the
Crustacea, Arachnides & Insecta,
by
H. De Treille,

Chevalier of the Legion of Honour, Member of the Institute Royal, Academy of Sciences & of the greatest, & of other learned Societies in Europe, America, &c.

Translated from the latest French Edition.

with
ADDITIONAL NOTES.
and

Illustrated by nearly 500 Additional Plates.
IN FOUR VOLUMES.

VOL. I.

MAMMALIA - BIRDS.

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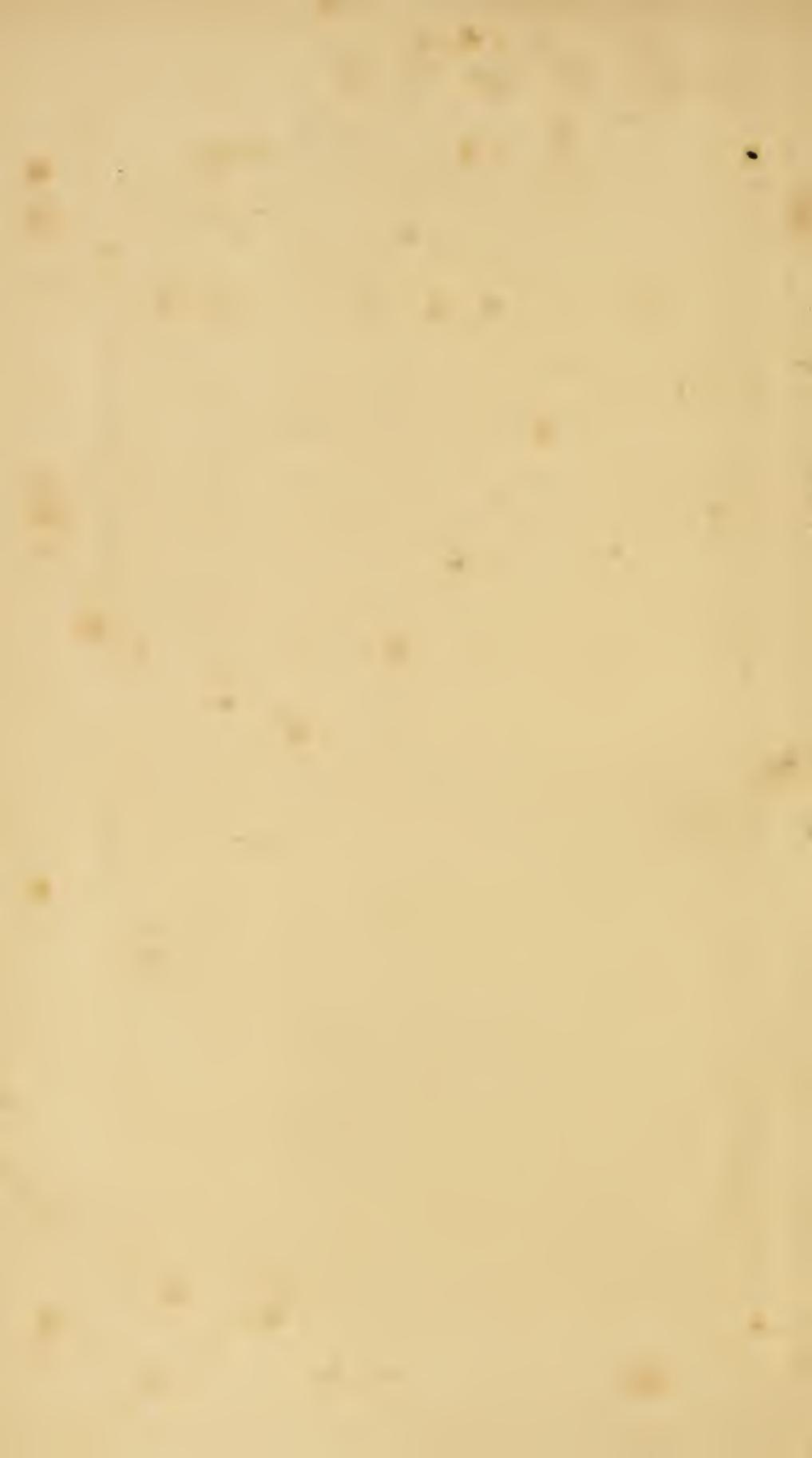


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* This curious species is not noticed by Cuvier, no doubt from its very recent discovery. It has been figured in the 'Transactions of the American Philosophical Society,' and described very fully by Dr. Harlow in the same work. From several peculiarities in structure, this animal approaches very closely to the ourangs, and on that account, we think should have precedence of the other Gibbons. We subjoin the letter of Dr. Burrough that accompanied the specimens furnished Dr. Harlow, which is interesting as a detail of a few distinguishing features of this singular species.

"The specimens of the ourang-outang or Gibbons, furnished you, were obtained by me during my late excursion into the interior of Bengal. They were presented to me by Captain Alexander Davidson, of the Honourable East India Company, stationed at Goalpara, situate on the Burrampooter river, in Assam. This district of country was formerly attached to the Burmese empire, but at present is in possession of the East India Company, and constitutes the north-eastern limits of their territory in this quarter.

"The ourang, of which I am now to speak, called by the Assamese 'Hoolock,' is to be met with on the Garrow Hills, in the vicinity of Goalpara, between latitudes 25 and 28 degs. north; and the specimens brought to this country by me, were taken within a few miles of the town of Goalpara. The full grown one, which at this time you have prepared, was in my possession, alive, from the month of January to May, when it died from a blow it received across the lumbar region, inadvertently inflicted with a small stick by one of my servants at Calcutta. They inhabit more particularly the lower hills, not being able to endure the cold of those ranges of the Garrows of more than 4 or 500 feet elevation. Their food, in the wild state, consists, for the most part, of fruits common only to the jungle in this district of country; and they are particularly fond of the seeds and fruits of that sacred tree of India, called the Peopul tree, and which, on the Garrow Hills, attains a very large size. They likewise partake of some species of grass, and also the tender twigs and leaves of the Peopul and other trees, which they chew, swallow the juice thereof, and reject the indigestible part. They are easily tamed; and when first taken show no disposition to bite, unless provoked to anger, and even then

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* Nearly allied to the Cephalote of Peron. Its fur is cinereous gray above, white pale beneath, and the belly undulated. The nostrils are tubular, distant, and open. The index finger is provided with a nail. The body is about four inches, and the wings one foot and four inches wide. The tail is not quite an inch.

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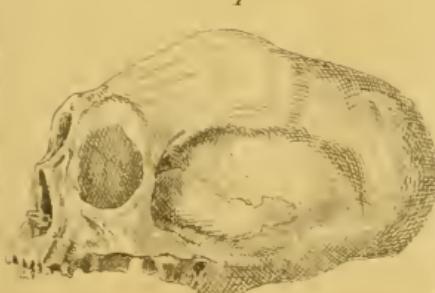
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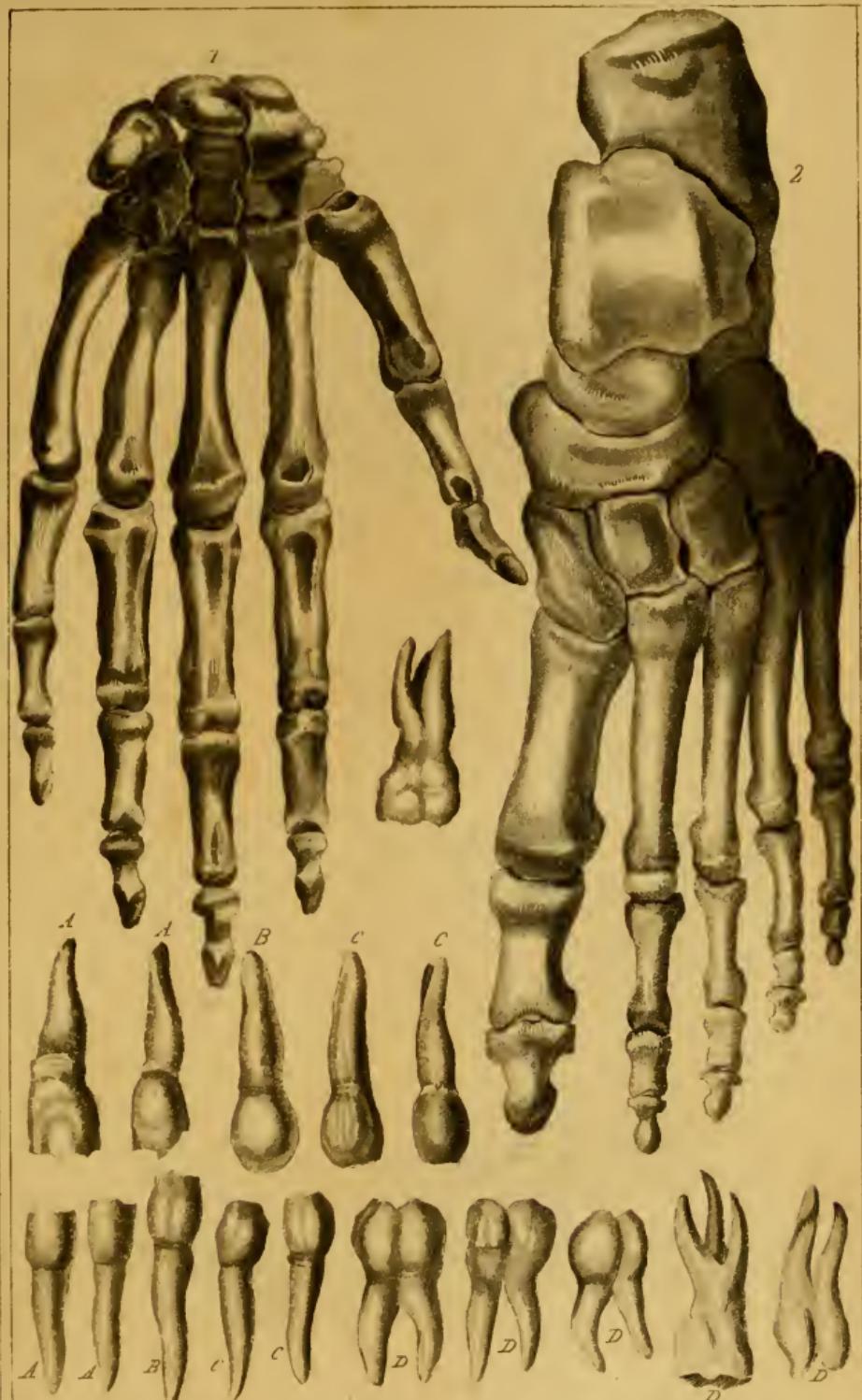
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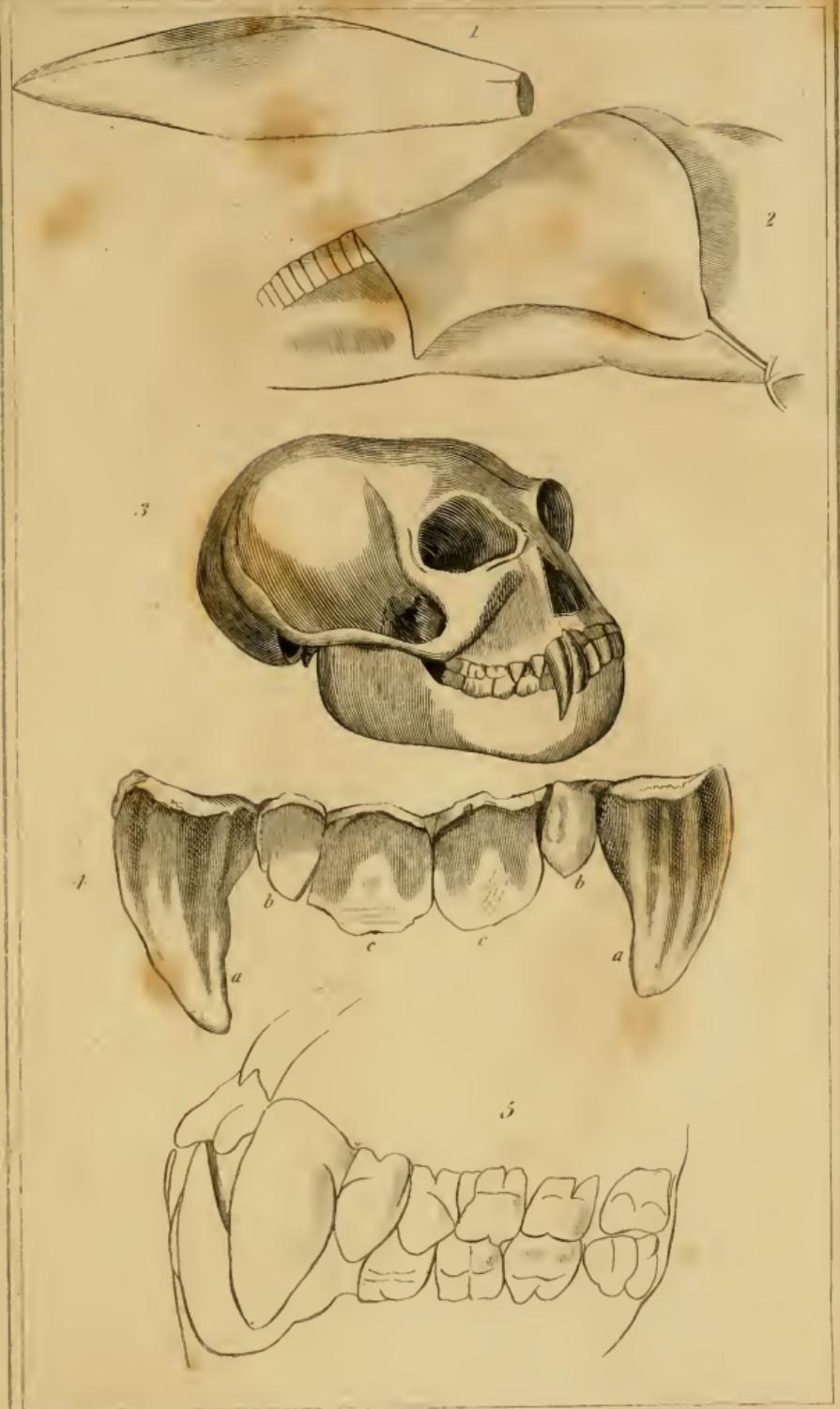
5



1. Skull of a Georgian female (Caucasian variety) 2. Skull of a Colmuck (Mongolian variety) 3. Skull of a Negro (Ethiopian variety) 4. Skull of a Carib as flattened by pressure in infancy (American variety) 5. Skull of a Carib as formed naturally (American variety)



1 The left Hand of a Man with its Twenty seven bones. 2 The left foot of a Man with its 26 bones.
A A the cutting teeth of a Man. B the canine teeth. C the grinding teeth, called the first or bicuspid. D D The other grinders or molars.



1. Canine Tooth of the Asiatic Orang Outang. 2. Hyoid bone of the Red Howling Monkey. 3. Head of the Hoolock Monkey. 4. Front of the Upper-Jaw of the Asiatic Orang Outang. a. a Canine Teeth. b. b cutting Teeth. c. c cutting Teeth twice the breadth of the outside ones. 5. Dentition of the Pongo.

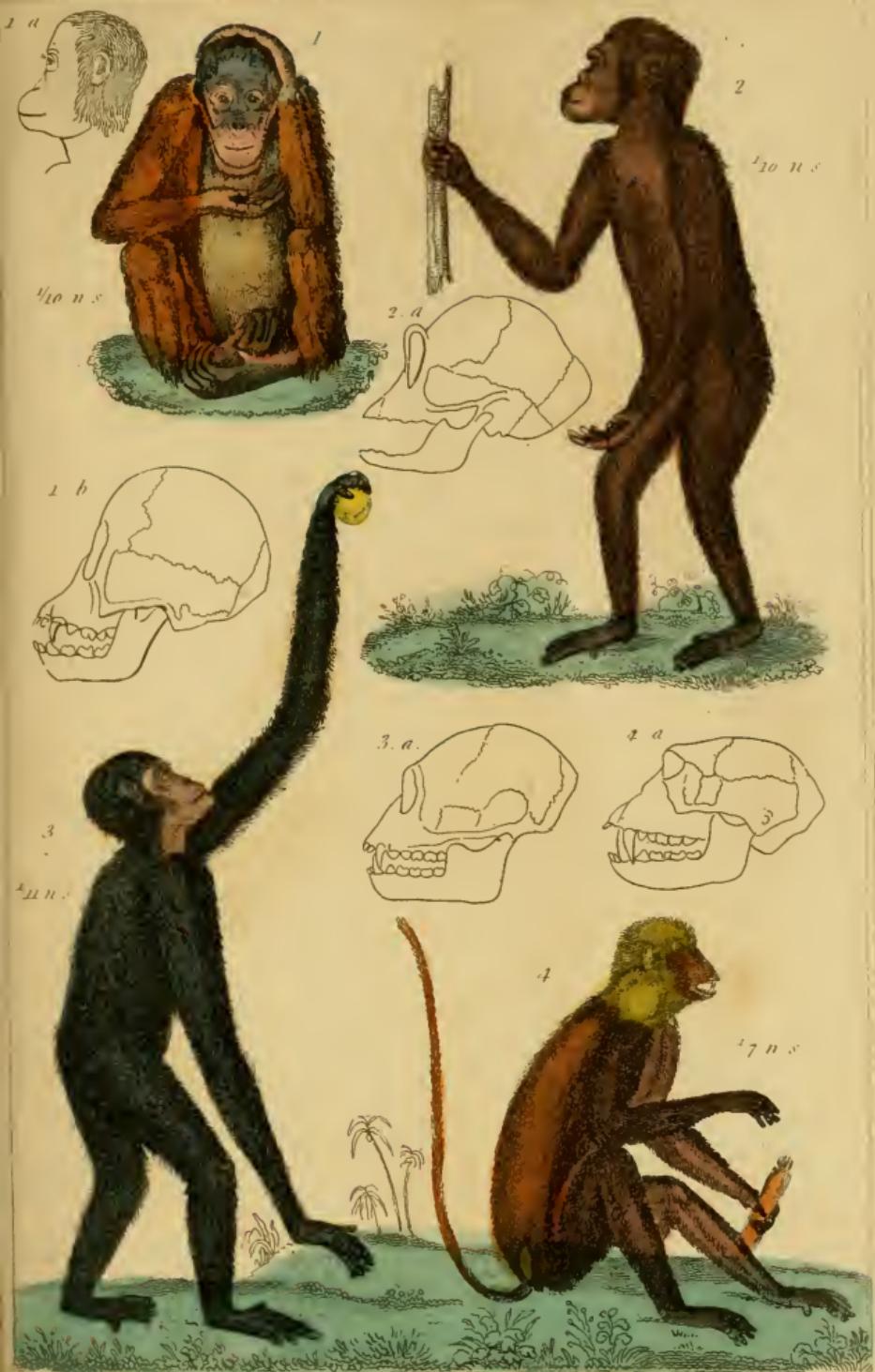


18 n.s.



Front View of the
Orang Utang or Pigmy of Tyson.





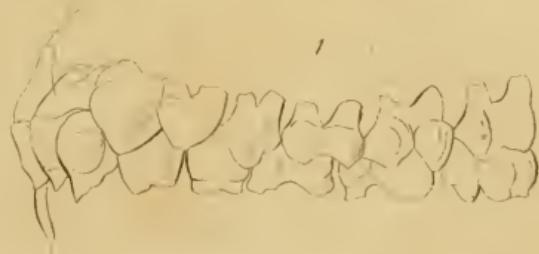
1. *Simia satyrus*. *The Ourang Outang*. 2. *Simia troglodytes*. *The Chimpanzee*. 3. *Hylobates syndactylus*. *The Siamang* (another View see Mammalia, Pl. 7). 4. *Cercopithecus mona*. *The Mona*





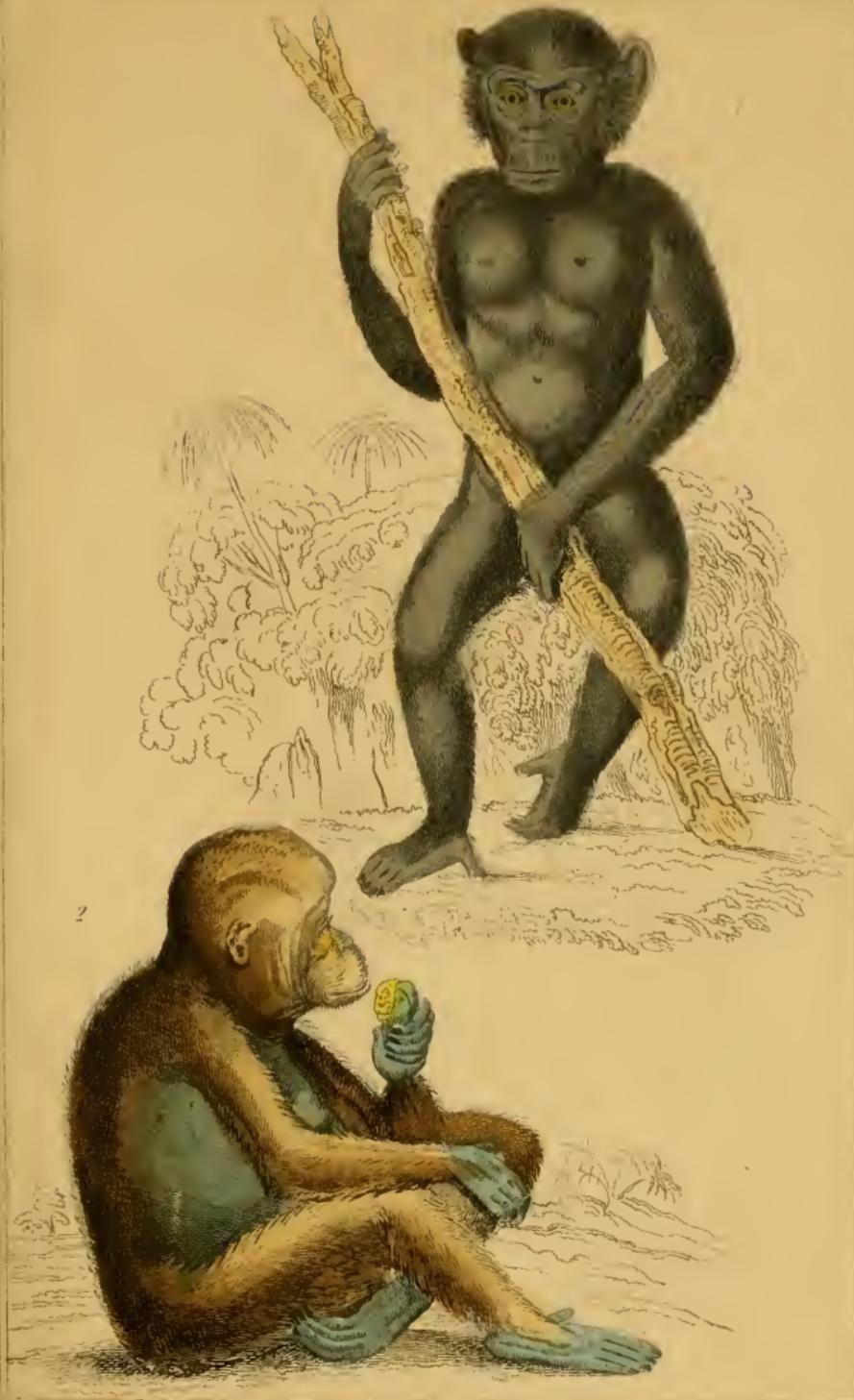
Back View of the
Orang Utan or Pigmy of Tyson.



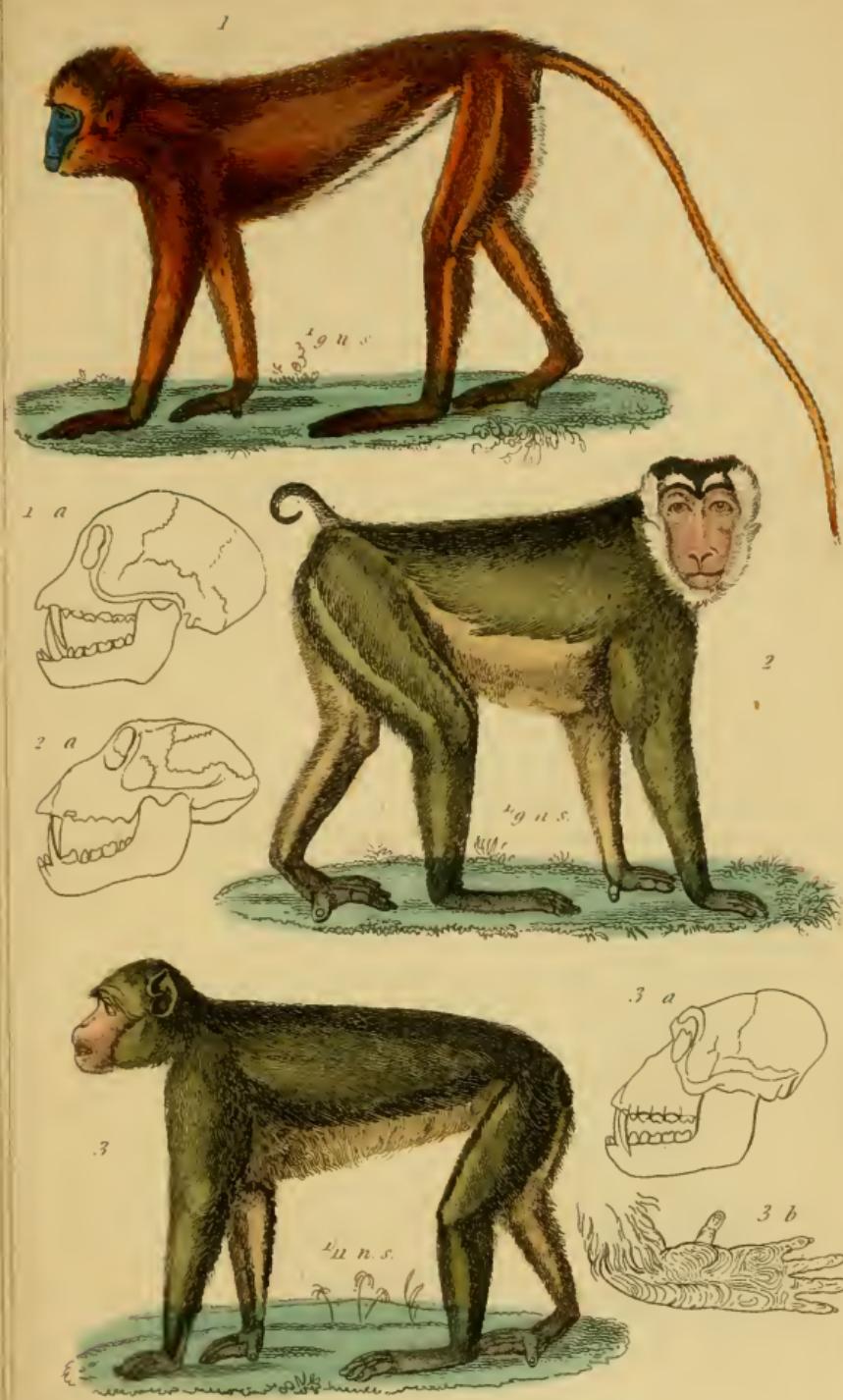


1. Dentition of the Howling Monkey. 2 The Lower Jaw with the Teeth of the Asiatic Orang-Utan. 3. The Face of the Bouroucouli. 4 Dentition of the Tucuouc Monkey.





1. *Troglodytes Niger*. / The Black Ourang/ 2. *Pithecas Satyrus*. / The Red or Asiatic Ourang Outang. / (Side View.)



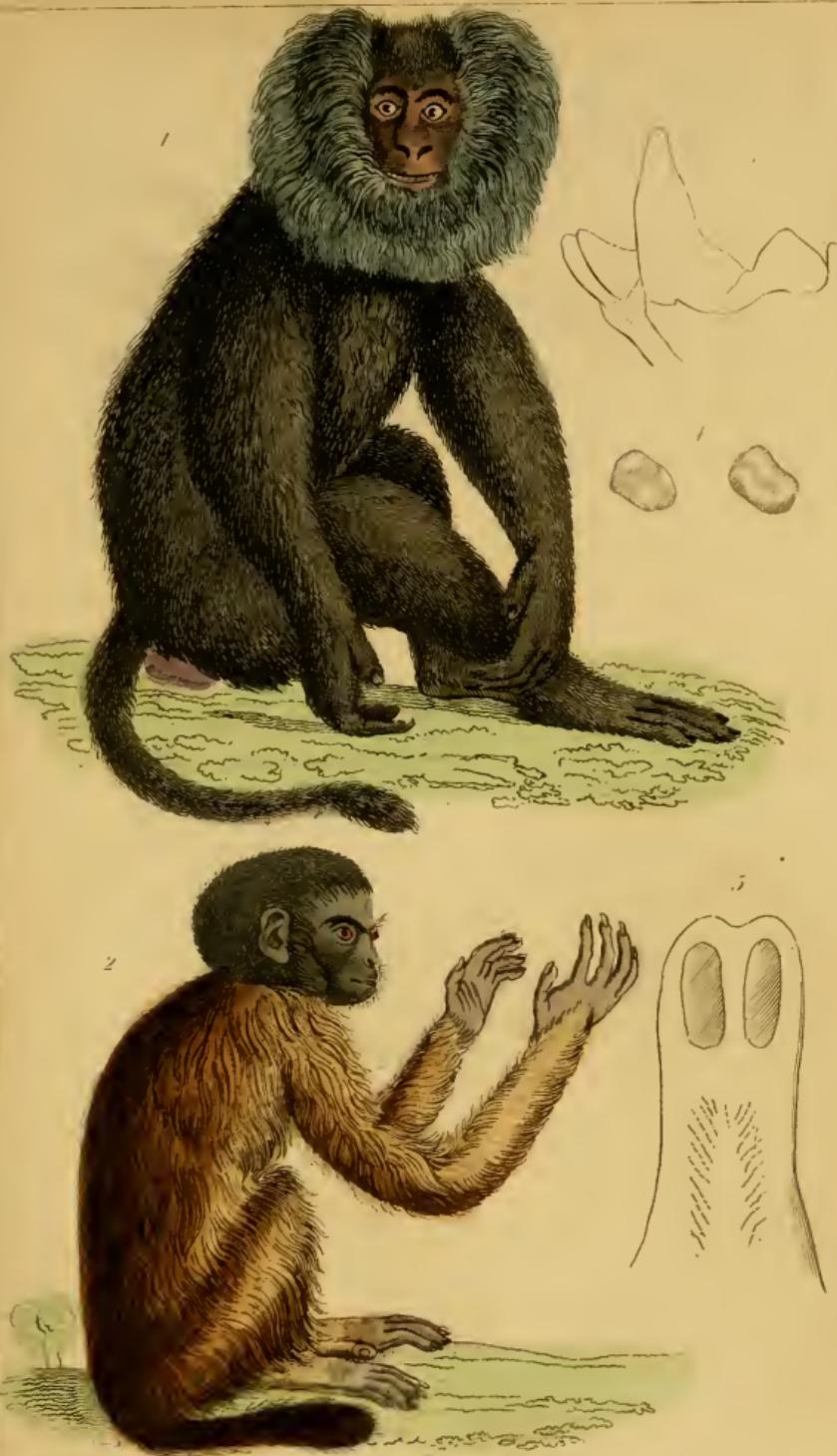
1. *Semnopithecus melanophaeus* Raf. *The Simpai* 2. *Macacus nemestrinus* Fr. *et* *al.* *(The Brown Baboon)*
3. *Inuus silvanus*. *The Barbary Ape*



1 *Hylobates syndactyla* *The Siamese* 2 *Lasiopyga nemae* *The Cochin-China Monkey*
3 *Teeth of the Cenopithecus. Geoff. St. Hil.*



1. *Nasalis Larvatus*. / The Kahau or Prehoscis Monkey. / 2. *Pithecius Satyrus*. / The Red or Asiatic Ourang Outang. / Front View. / 3. Foot of the Siamang. / 4 & 5. Deutition of the *Semnopithecus Maurus*.



1. *Macacus silenus* (The *Thunderrow*) 2. *Pithecia melanoccephala* (The *Carajau*)
3 & 4. Teeth of the *Cenocebus*, Geff. S' Hil. 5. Nose of the *Kahau* or *Prehensile Monkey*, (*Nasalis Larvatus*, Geff. S' Hil.)



1. *Cercopithecus ruber*, Geoff. S^r. Hill. *The Red Monkey.* 2. *Papio comatus*, Geoff. S^r. Hill.
The Chacma. 3. *Cebus fatuus* Geoff. S^r. Hill. *The Horned Sakiou.*



1. *Atotes Trivirgatus* Humboldt. *The Douroucouli.* 2. *Cebus monachus*, *The large-headed Sakiou.*



1. *Cynocephalus porcarius.* /The Chacma/ 2. *Papio maimon.* Geoff. S' Hil /The Mandril/ 3. *Alouatta seniculus.* /The Red Howling Monkey/



1. *Brachyteles hypoxanthus.* / *The Mikiri* / 2. *Cebus apella.* / *The Weeper Sapojoie* /
3. *Pithecia rufiventris.* / *The Red-bellied Saki* /



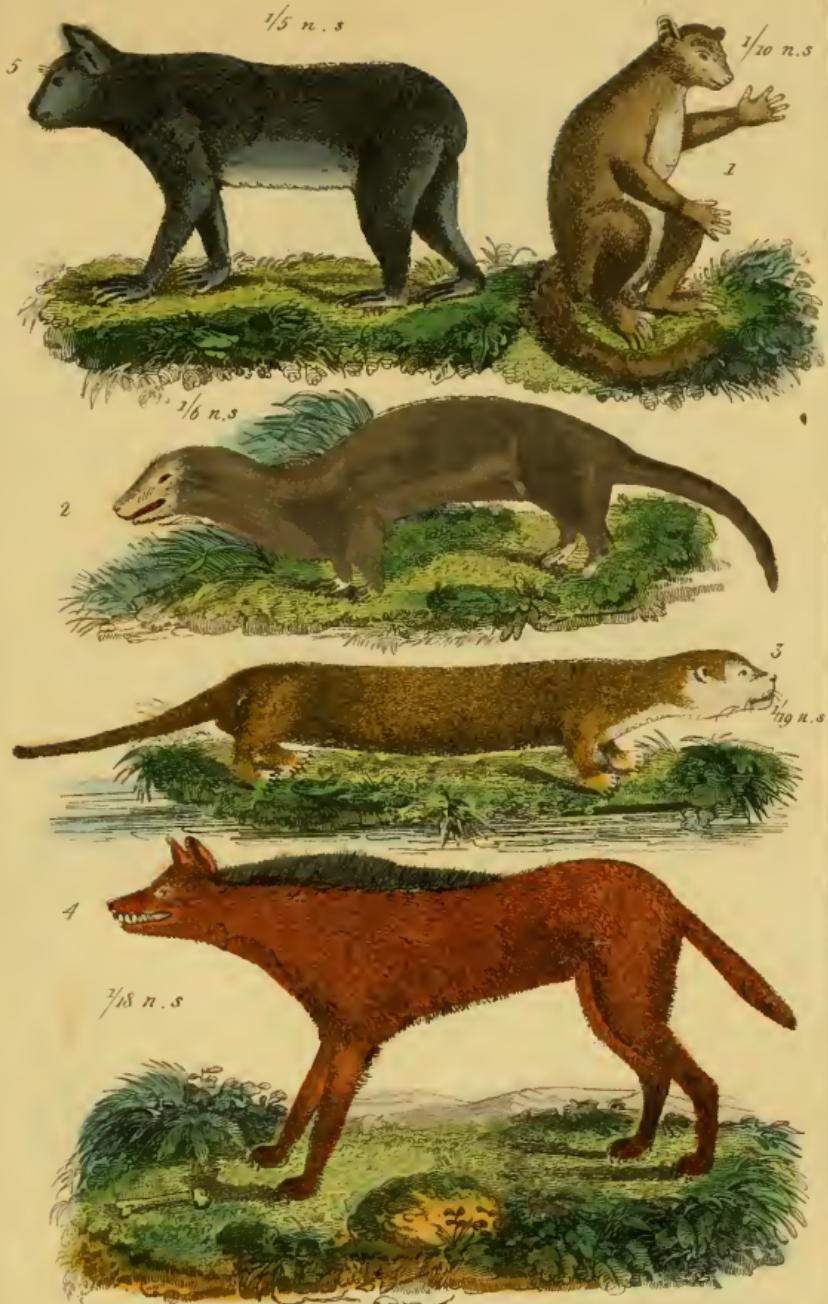
1. *Pteropus Dussumieri*, istd. Geoff. 3^d Hil. The Rousette of Dussumier. 2. *Pteropus Keraudreni*. The Rousette of Keraudren. 3. The Head of the *Cephalotes Pallasii* Geoff. (Cephalote of Pallas). 4. *Molossus obscurus* Geoff. The Molossus Bat. 5. *Noctilio Leporinus* Geoff. The hare-lipped Bat.



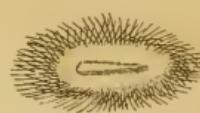
1. *Naechore's trivirgata*. *The Douroucouli* 2. *Rapide chrysomelas*. *The Black Marmoset*
Lachanotus indri. *The Indri*



1 *Lemur ruber* The Red Lemur 2 *Galago senegalensis* (The Galago of Senegal)
 3 *Stenopps tigrinus* Sloth of Bengal 4 *Tarsius spectrum* The Tarser



1. *Galago crassicaudatus* the Great Galago
 2. *Mustela lutreola* the White Vision of the Furriers
 3. *Mustela Iutra brasiliensis* the American Otter
 4. *Canis lupus* the Red Wolf
 5. *Koala cinerea* the Ish-coloured Seal



1. a



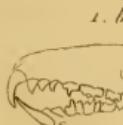
1

n. s.

2. c



2. c

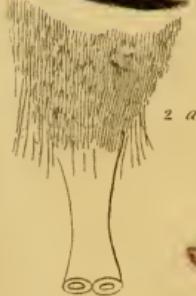


2. b.

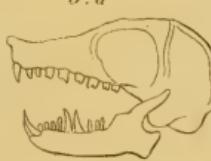


2

1/3 n. s.



2. a



3. a



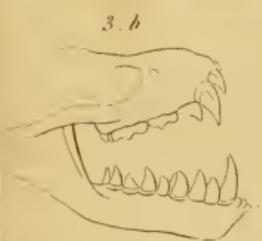
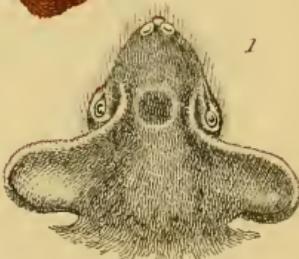
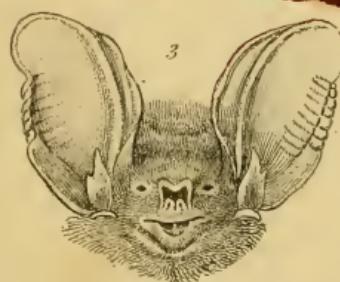
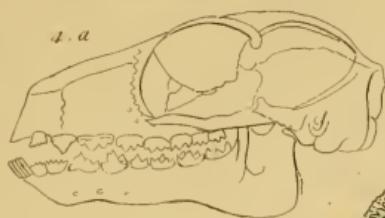
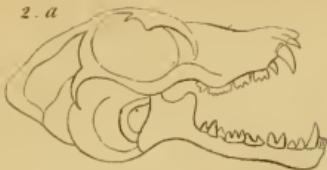
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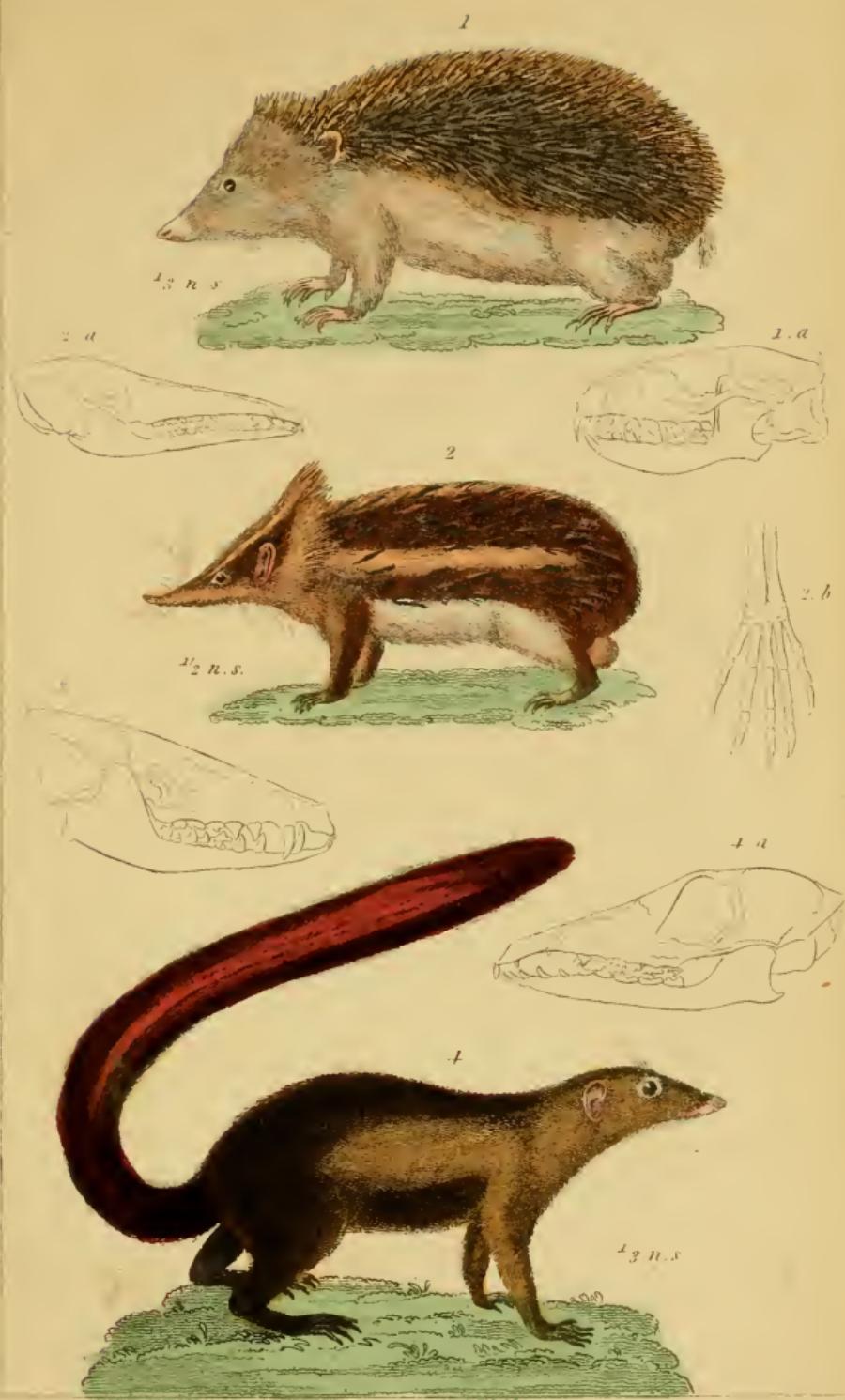
3



1. *Sorex araneus*, Lin. /The Common Shrew./ 2. *Myosorex moschatus*, Lin. /The Russian Musk Rat./
3. *Chrysochloris asiatica*, Lin. /The Golden Mole./



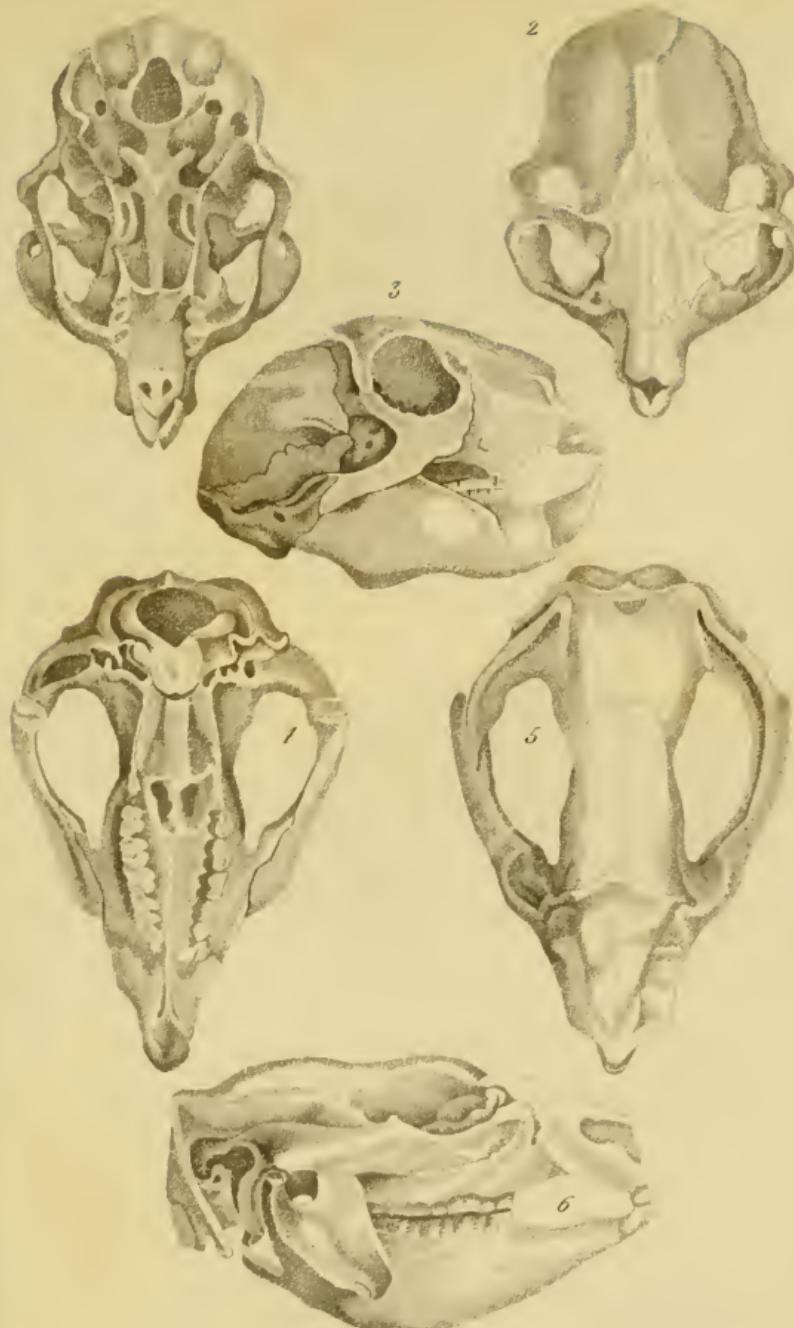
1. *Taphozous mauritianus*, Geoff. St. Hl. The Mauritius Horse-shoe Bat / 2. *Vespastrilio pipistrellus*, 6m. The Pipistrelle,
3. *Plecotus timorensis*, Geoff. The Timor Bat / 4. *Galeoptilicus rufus*, Geoff. The Red flying Lemur Bat



1. *Eruca sativa* Lin. *The Common Lettuce* / 2. *Centenea semipinnata* *The Radiated Tansy*
3. *Head of the Centenea setosa* *(The Tendrac)* 4. *Cladobates ferrugineus* *The Ferruginous Tupaia*)



1. *Ursus labiata*, Blainv. *The Thick-lipped Bear* | 2. *Ursus arctos*, L. *The Brown or common Bear of Europe* | 3. *Ursus malayanus*, Horsefield. *The Malay Bear*



Heads of two Anomalous Mammiferous Animals
1 2 3 the skull of the Aye-Aye (*Cheiromys Madagascariensis*) in three views
the base 1, the top 2, the side 3.

4 5 6 the skull of the Wombat (*Didelphis Ursina* Shaw *Phaseolomys ursinus* Geoff. Cuv.)
in three views, the base 4, the top 5, the side 6.

London. C. Henderson 2 Old Bailey.



1. *Talpa europaea* Lin. *The Common Mole* 2. *Condylura cristata* Lin. *The Radiated or American Mole*
3. *Scalops aquaticus* Lin. *The Canadian Scalops*.



1. *Ursus americanus. 6m.* The North American Black Bear / 2. *Ursus ferus.* Lewis & Clarke. The Grizzly Bear / 3. *Ursus maritimus.* The Polar Bear



2. a



2.



2. a



2.10 H.c.



3.



3. b



2.10 n.s.

1 *Ursus americanus* / The Black Bear of the Cordillerus / 2. *Procyon lotor* Lin / The Raccoon /
 3 *Ailurus fulgens* / The shining Panda /



1. Head of the White Bentwing.

2. *Potos caudiculus* 'The prehensile tailed Pottu,3. *Nasua rufa* 'The Red Coati/

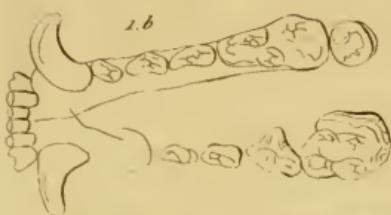


1



1/9 R.S.

2.b



1.a



2

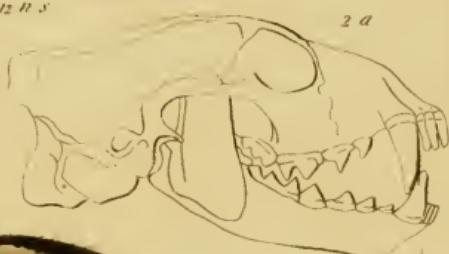


1/12 R.S.

3.a



2.a



3



1/6 R.S.

1 *Meles vulgus* The Common Badger 2 *Gulo arcticus* The Arctic Glutton
 3 *Futurus zorillo* (The Cape Vole Cat or Zorillo)



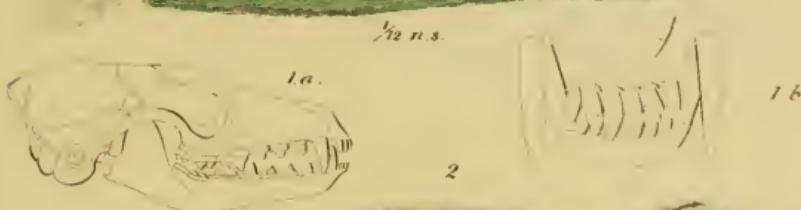
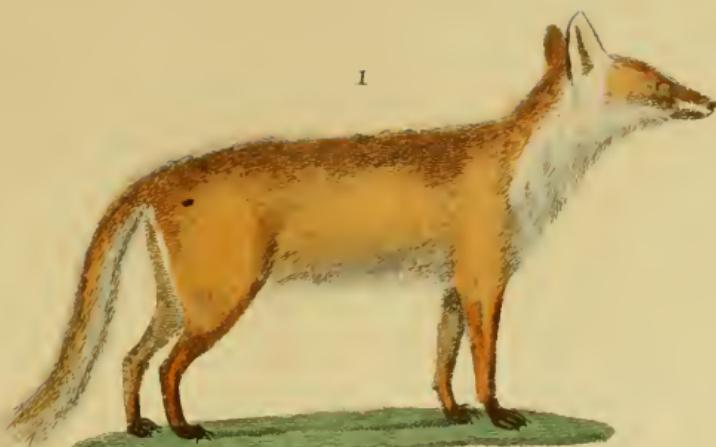
1. *Mustela pekan*.2. *Mephitis americana*.3. *Lutra nair*.4. *Teledu*.

1 *Mustela pekan* 'The Canadian Marten or Pekan' 2 *Mephitis americana* 'The American Skunk'
Lutra nair 'The Pondicherry Otter' 4 Head of the Savanee Teledu



1. *Paradoxurus lypus* (The Peugourie of India) 2. *Herpestes cahir* (The Mangouste of India)
 3. Cranium & claws of (*Viverra Tydactyla*), the Serval. 4. *Proteles lalandii* (The Mangu of Laland)

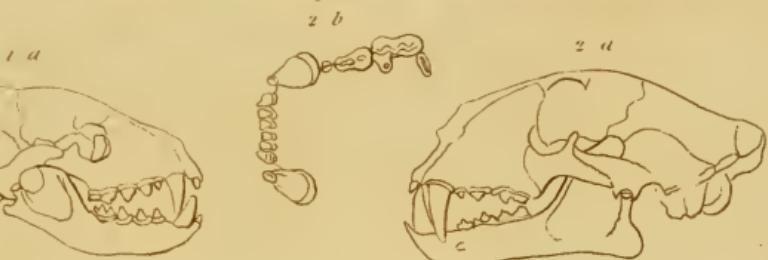


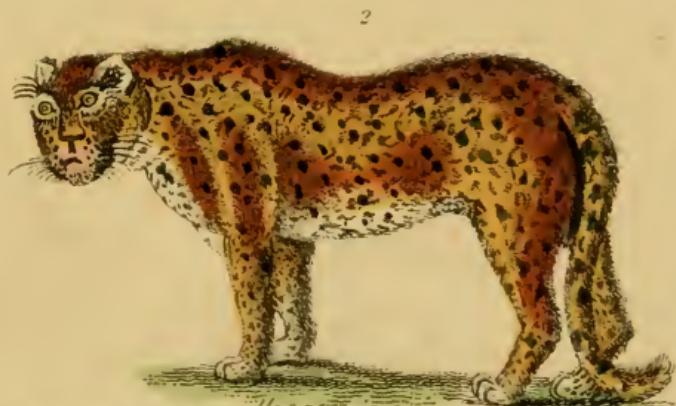
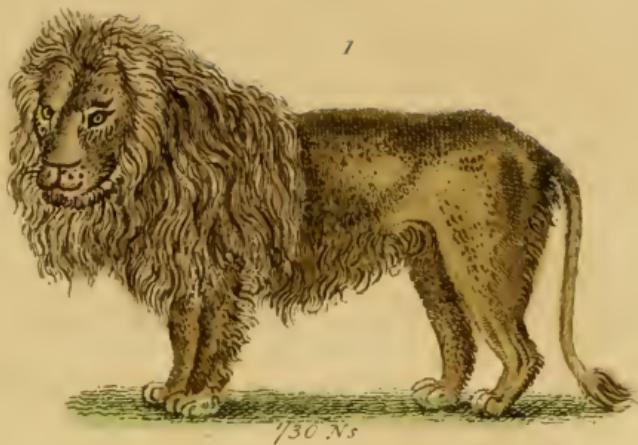


3.a



1. *Canis vulpes* (The common Fox) 2. *Viverra civetta* (The Civet);
 3. *Genetta Civetta* *Genetta* Lin. (The common Genet)

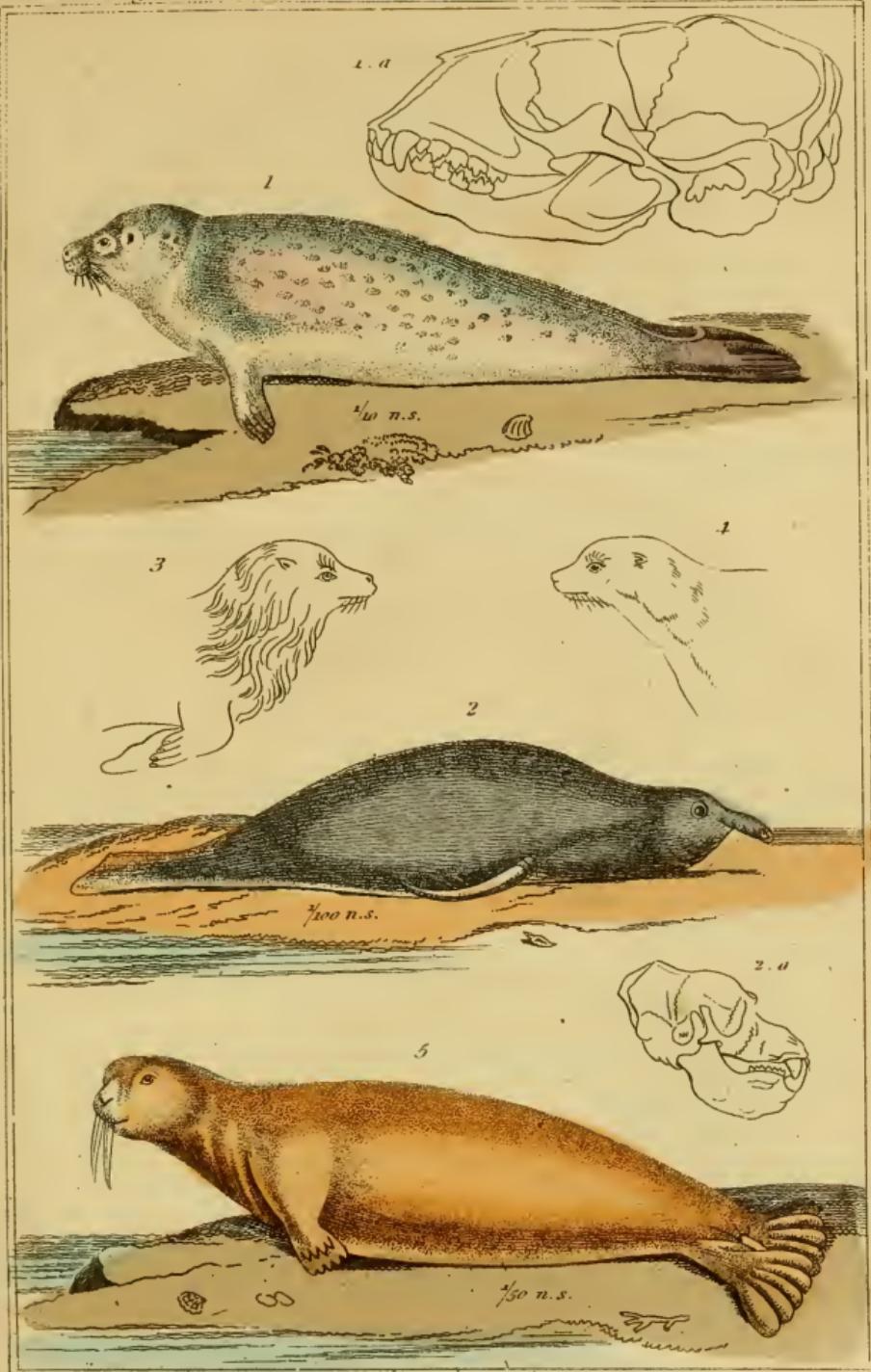
1. *Hyena brunnea* Thunberg (The Brown Hyena)2. *Felis tigris* (The Royal Tiger)



1. *Felis leo*, Lin. *The Lion* 2. *Felis leopardus*, Lin. *The Leopard*

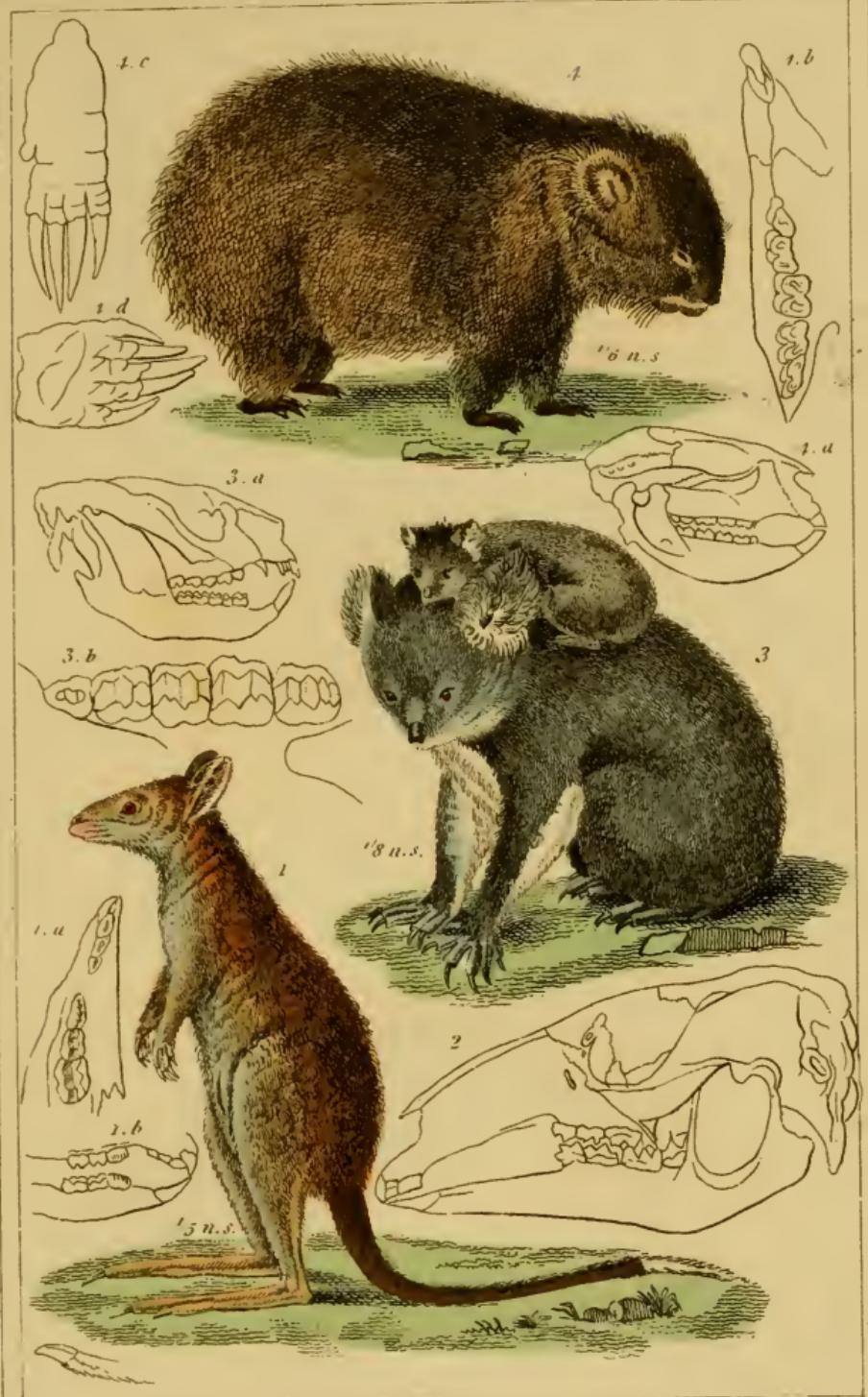
3. *Felis catus*, Lin. *The Domestic Cat*





1. *Calopeplus vitulinus*, Lin. *luc.* (The Common Seal) 2. *Mackinlayus proboscideus*, *luc.* (The Elephant Seal) 3. *Otaria jubata*, (The Sea Lion of Steller, Pernetti, &c.) 4. *Otaria ursina*, (The Sea Bear) 5. *Trichechus rosmarus*, Lin. *luc.* (The Sea Cow of the Eastern Hemisphere)

1. *Didelphis cancrivora* The Crab-eating Opossum / 2. *Dasyurus viverrinus* White Dasyurus /3. *Perameles nasuta* Geoff. The Peron's Potoroo /

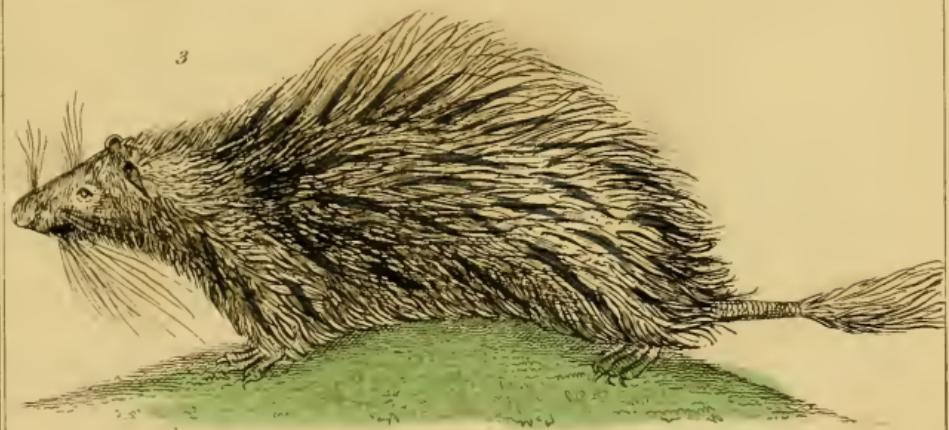


1. *Hypsiprymnus* White. Quoy et Gaim. The Kangaroo Rat or Potoroo! 2. Head of *Macropus major*, Schaw. 'The Greater Kangaroo! 3. *Lipurus cinereus*, Gold. The Koala! 4. *Phascolomys* Wombat, Pte. 'The Wombat!'



1. *Phalangista rufa*, Geoff. / The female hollow-fronted Phalanger / 2. Head of the *Peturus taquanooides*, Desm. / Taquan Phalanger / 3. *Petaurus pygmaeus*, Sch. / The Flying Dwarf Phalanger /

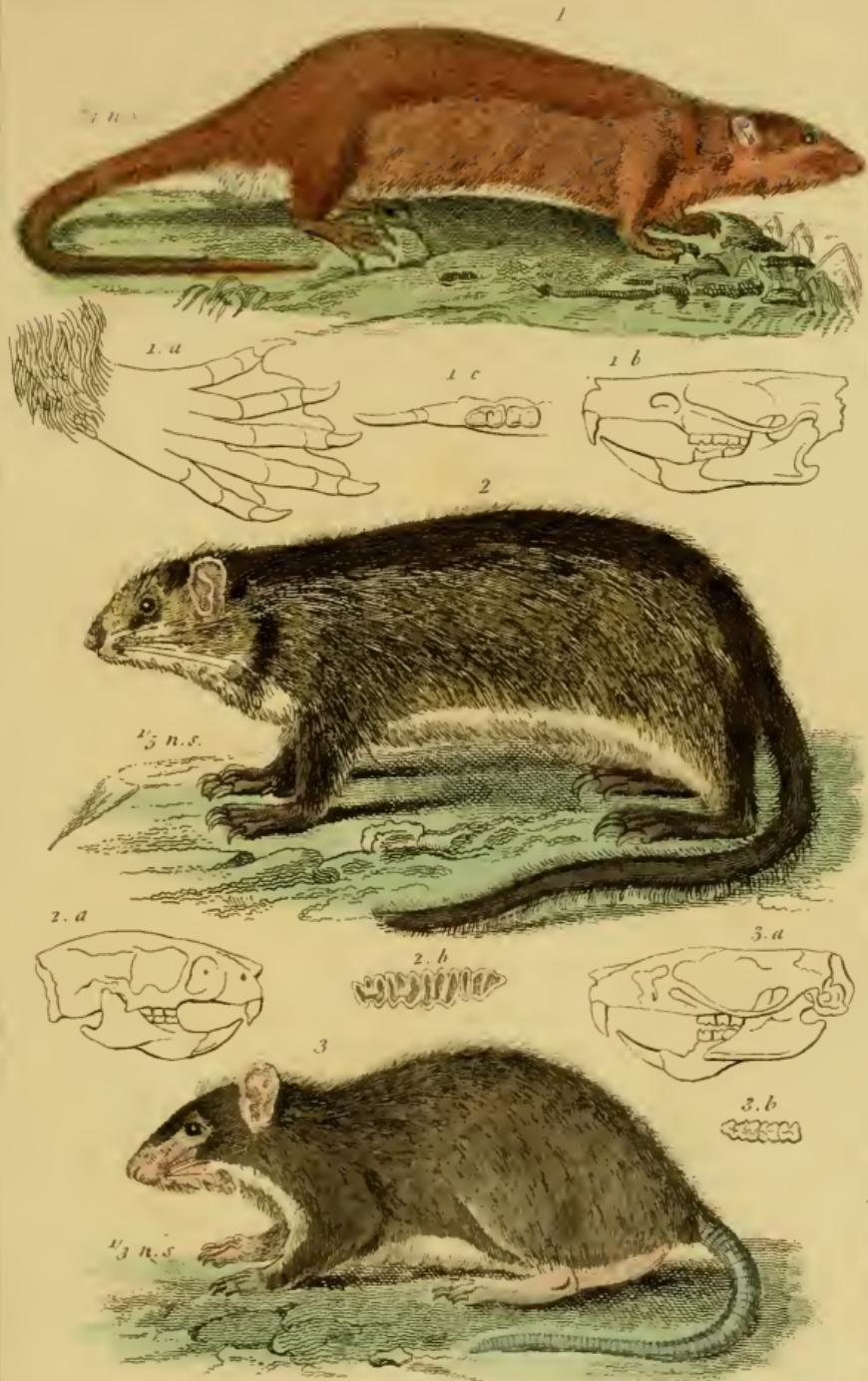




1. *Hystrix dorsata*, Lin. /The Ursom/ 2 *Hystrix prehensilis*, Lin. /The prehensile tailed Porcupine or Cenendou/ 3. *Hystrix fasciculata*, Lin. /The pencil tailed Porcupine/



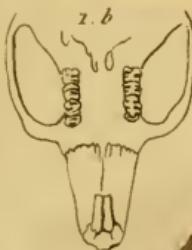
1. *Sciurus aureoaster*. Fr Cuv. /The Golden-bellied Squirrel/ 2. Head of a Guerlinguet /A Sort of Squirrel/ 3 *Pteromys volucellus* L. /The American Flying Squirrel/ 4. *Cheirogaleus madagascariensis* /Gmel./ The Aye Aye

1 *Hydromys chrysogaster*, Geoff. The *Hydromys* 2 *Capromys Poeyii*, The *House*3. *Mus domesticus*, Pall. The *Surmule* or *Common Norway Rat*

1



2. b



2. c. n.s.

1. a



2

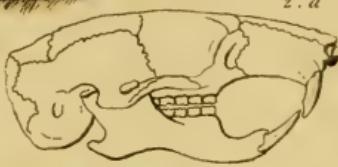


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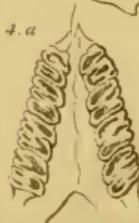
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2. a



4. a



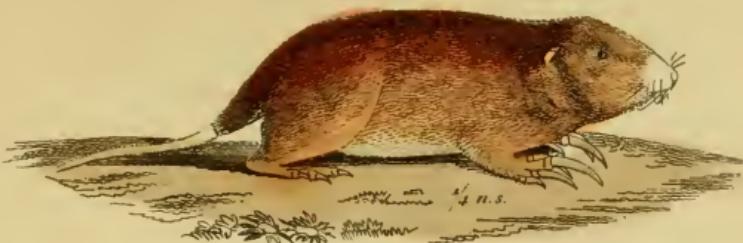
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3. n.s.

1. *Arctomys enpetra*, Schr. *The Quebec Marmot.* 2. *Myoxus glis* L. *The Fat Dormouse.* 3. *Echimys cayennensis*, Geoff. *The Cayenne Echimys.* 4. Head of the *Echimys leucotinus*, Geoff. *Long-toed Echimys.*

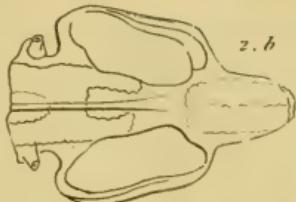
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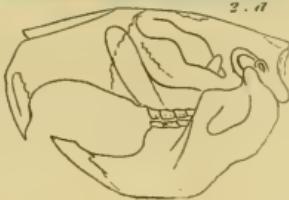
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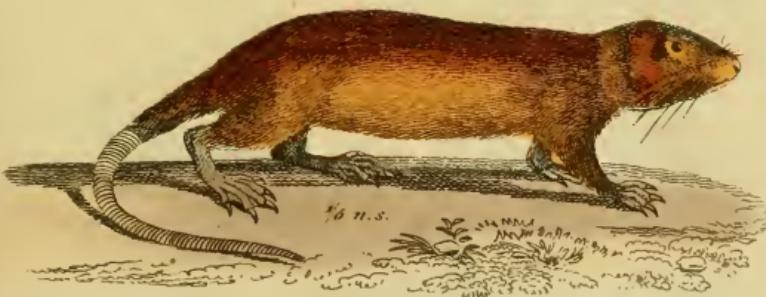
2. b



2. a



3

1. *Geomys bursarius* Shaw. *var. (The Canadian Hamster)* 2. *Castor fiber* Buff. *var. (The Beaver)*3. *Myopotamus lepturus* Molina. Cuv. *(The Genoa)*

2*1/2* n.s.2*1/2* n.s.

1. *Gerbillus pyramidum*. Lsd. Geoff. *The Gerbil of the Pyramids* 2. *Cricetus vulgaris*. Desm.
The Common Hamster 3. *Arvicola meadowi*. Desm. *The Meadow Campagnole*



2. b



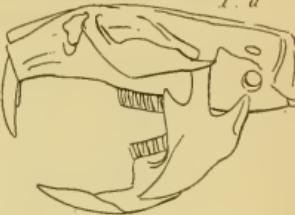
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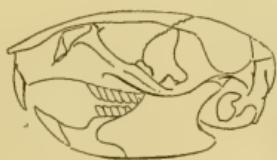


3. a



3.

2. a



3. n. s.

1. *Georychus lemniscus*, L. / The Lemming. 2. *Otomys capensis*, Fr. Cuv. / The Cape Otter. /3. *Dipus hirtipes*, Lich. / The Hairy-footed Jerboa /

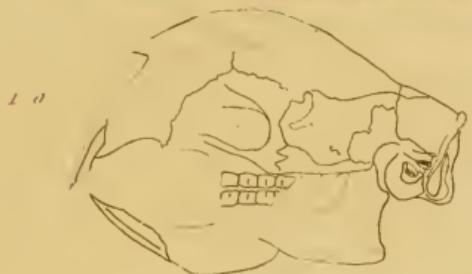
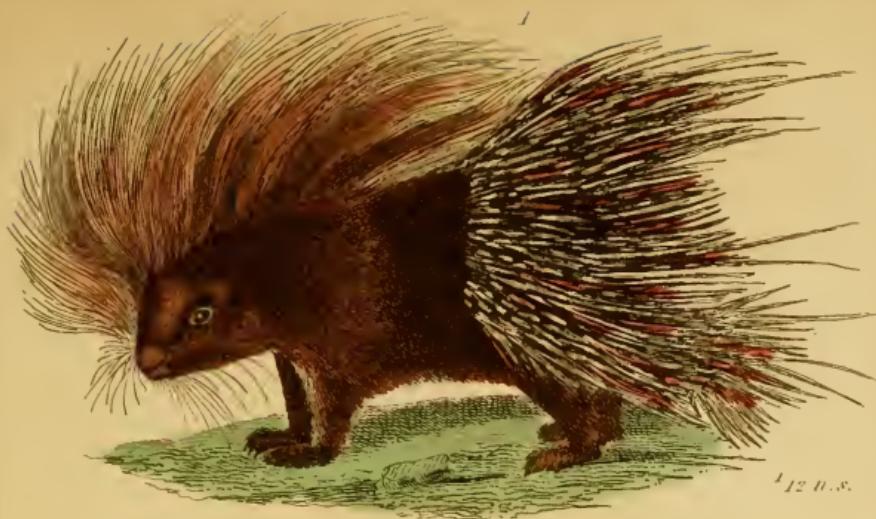


1. *Reithrodontomys ecaudatus*. / The Jumping Hare / 2. *Spalax typhlus*. / The Blind Rat Mole /
3. *Bathymys maritimus*. / The Maritime Rat Mole /



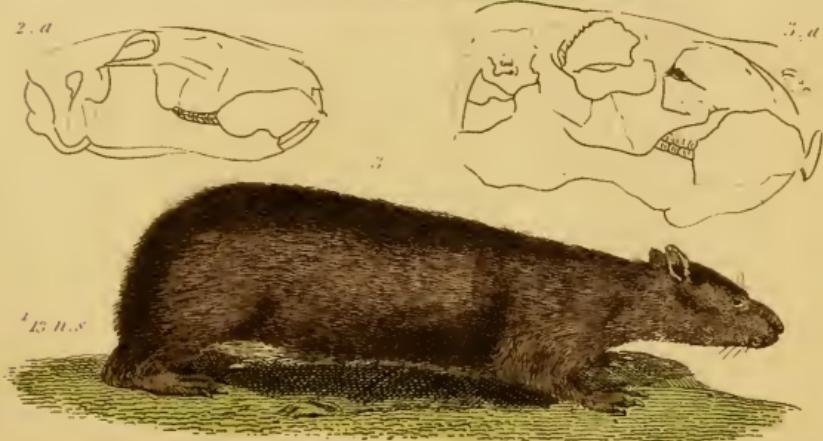
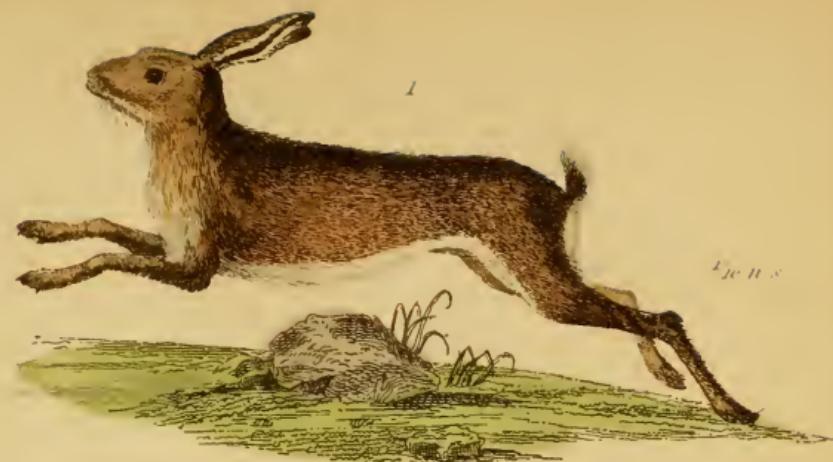


1. *Hystrix farsata*, Lin. 'The Ursom' or 'Porcupine' / 2. *Hystrix prehensilis*, Lin. 'The prehensile tailed Porcupine' / 3. *Hystrix fasciculata*, Lin. 'The pencil tailed Porcupine'



1. *Hystrix cristata*. Lin. / The Common Porcupine.

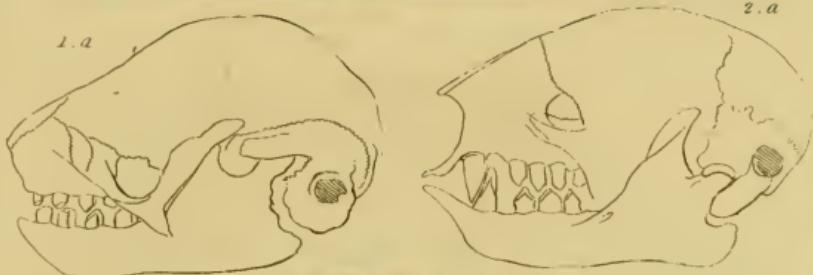
2. *Synteres insidiosa* / The Coati of Brazil.

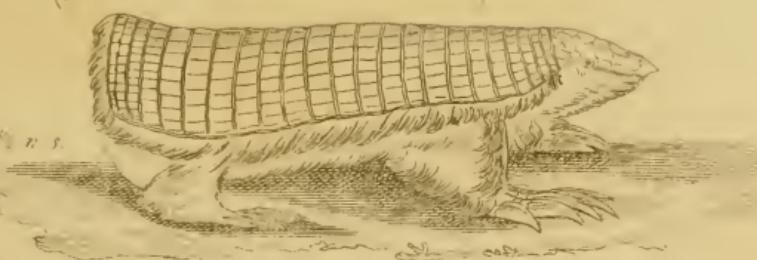
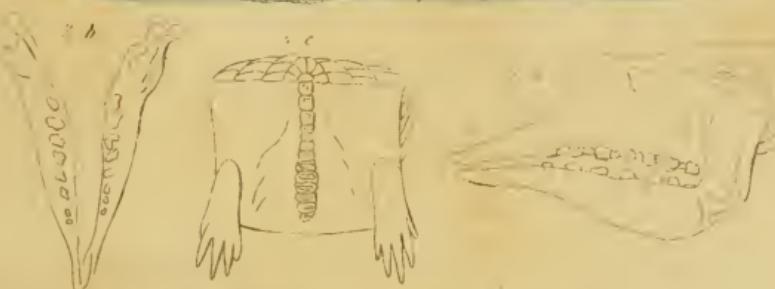
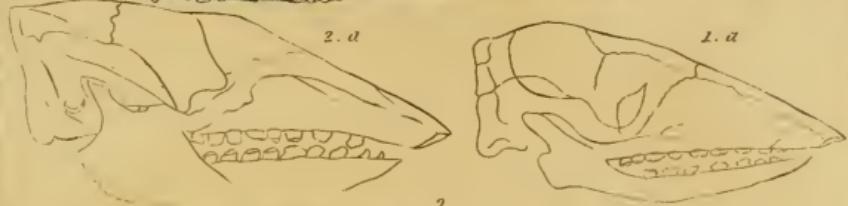
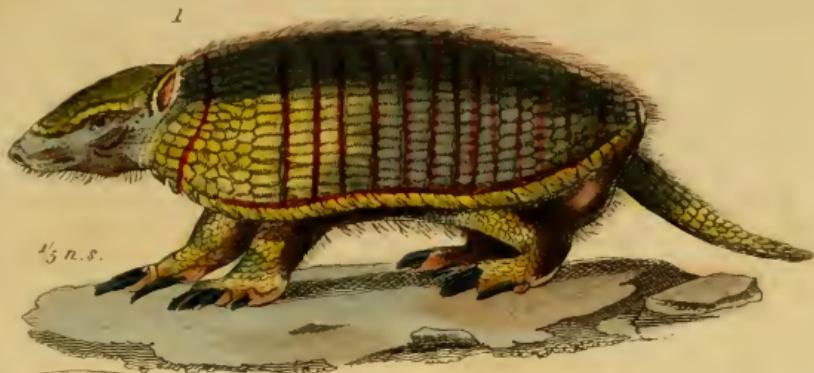


1. *Lepus timidus*, Lin. / The Common Hare. 2. *Lagomys alpinus*, Fall. / The *Lagomys pica*, or Alpine Hare. 3. *Hydrochoerus capybara* / The Capybara.

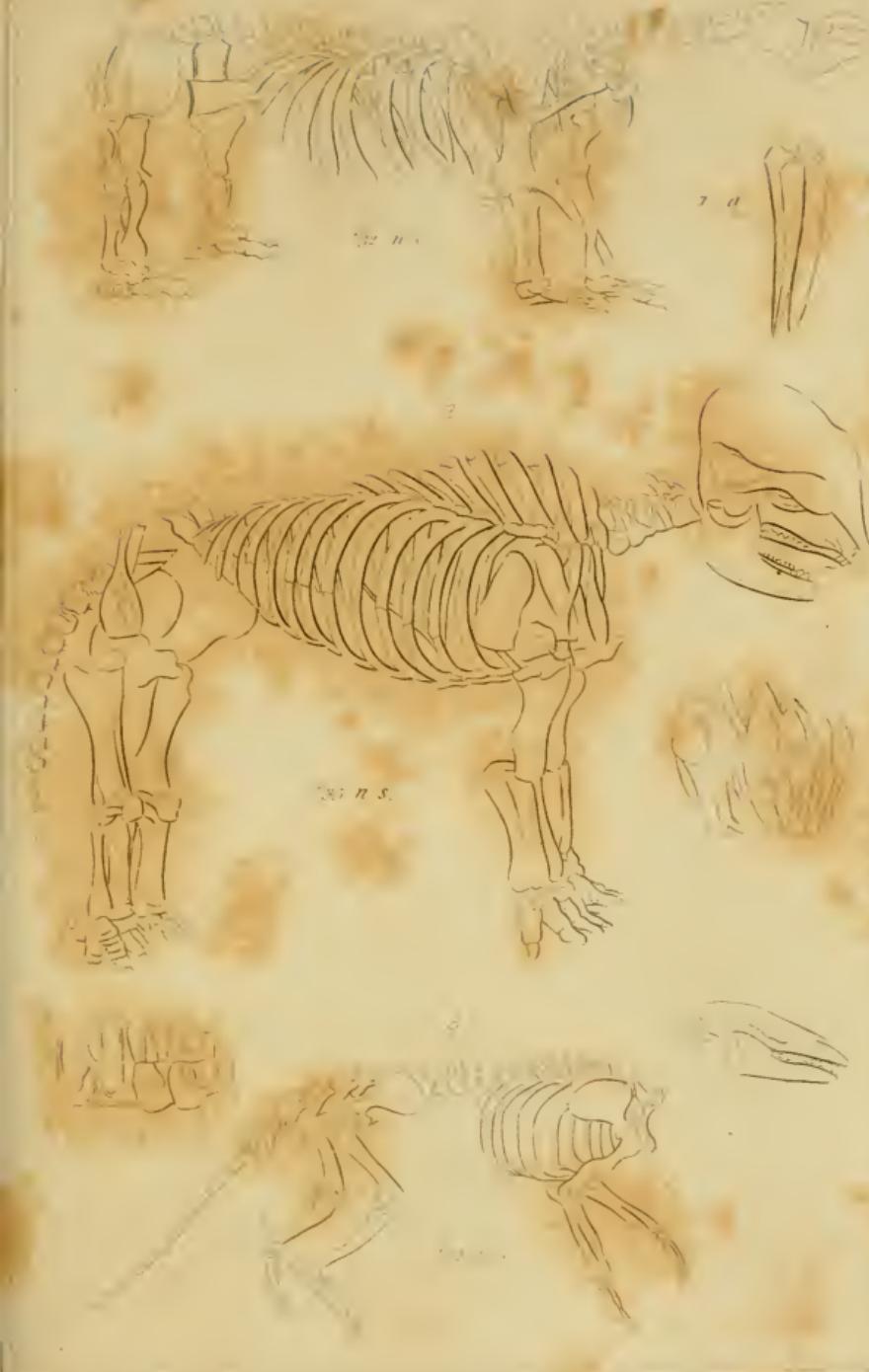


1. *Amenia cebata Aperea. The Guinea Pig.* 2. *Chloromys acouchi. The Acouchi.*
3. *Cuniculus paca. The White Spotted Paca.*

1. *Achens torquatus* Geoff. The Black collared Marmoset.2. *Bradypterus didactylus* The O'neau.



1. *Dasypus encoubert* Desm. The Six-banded Armadillo. 2. *Dasypus unicinctus* L. The Three-banded Armadillo. 3. *Chlamyphorus truncatus* Harlan. The Truncated Armadillo or Cholo.



1. *Megatherium* *Cavillii* Desm. 2. *Mastodon* *giganteum* Cuv. The Great Mastodon
3. *Anoplotherium* *commune* Cuv.





2. a



2. a



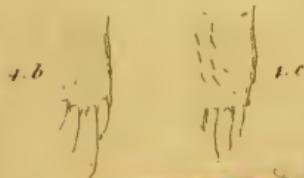
2

2. b R. S.



3

4. b



4. c



4. d

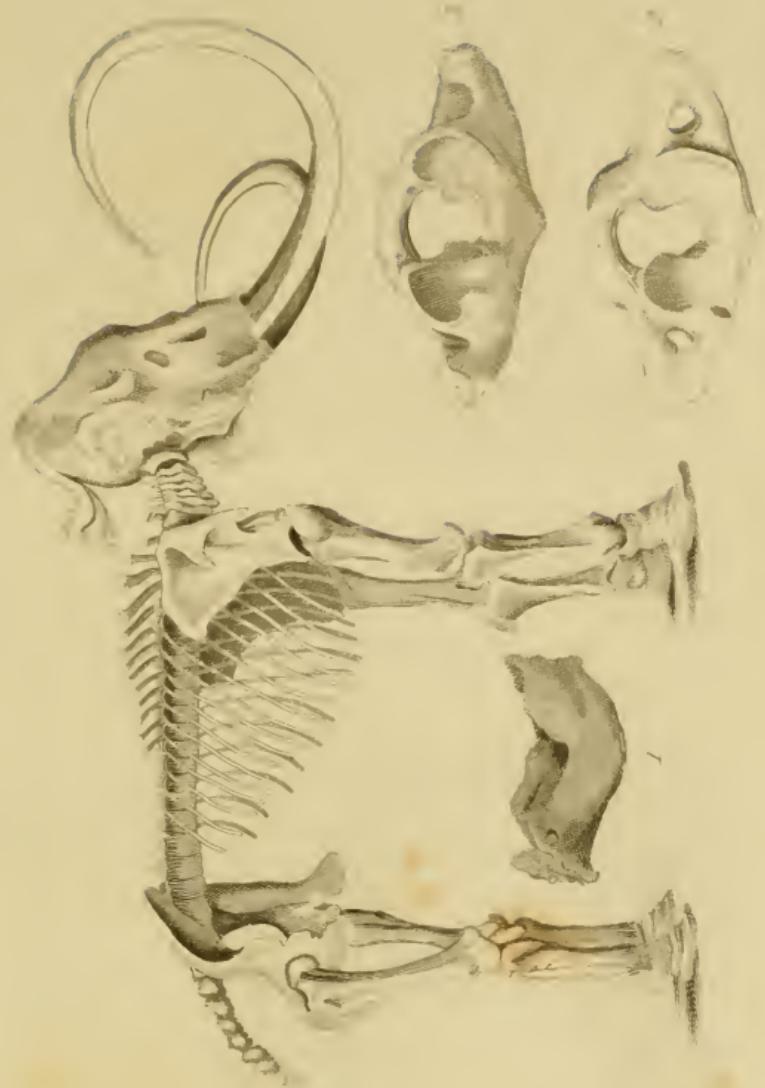
1. *Oryctopus capensis.* / *The Cape Ground Dog /*2. *Myrmecophaga didactyla* / *The Two-toed Ant Eater /*3. *Head of the Myrmecophaga jubata* / *Tamanoir /*



1. Skeleton of the Two-horned Rhinoceros. 2. Skeleton of the One-horned Rhinoceros of Java.
3 to 9. Anatomical details of the Rhinoceros (for further description see explanation of the plates at the commencement of the Volume).

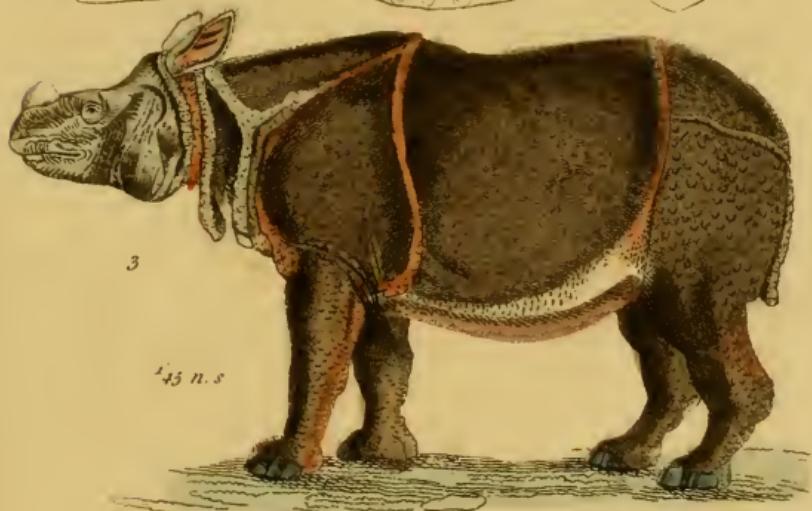
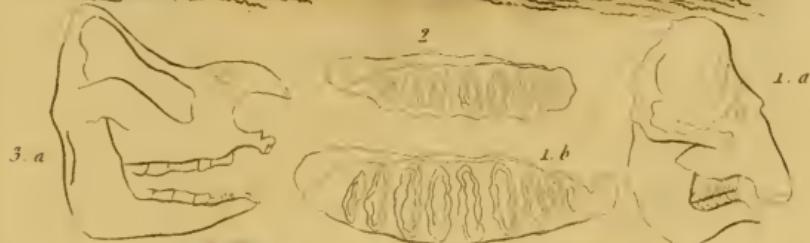


2. *n.s.*2. *a*2. *a*2. *b*2. *c*2. *b*2. *c*2. *n.s.*1. *Echidna setosa. The Bristly Echidna*2. *Ornithorhynchus paradoxus Blum. The Paradox Animal of New Holland*

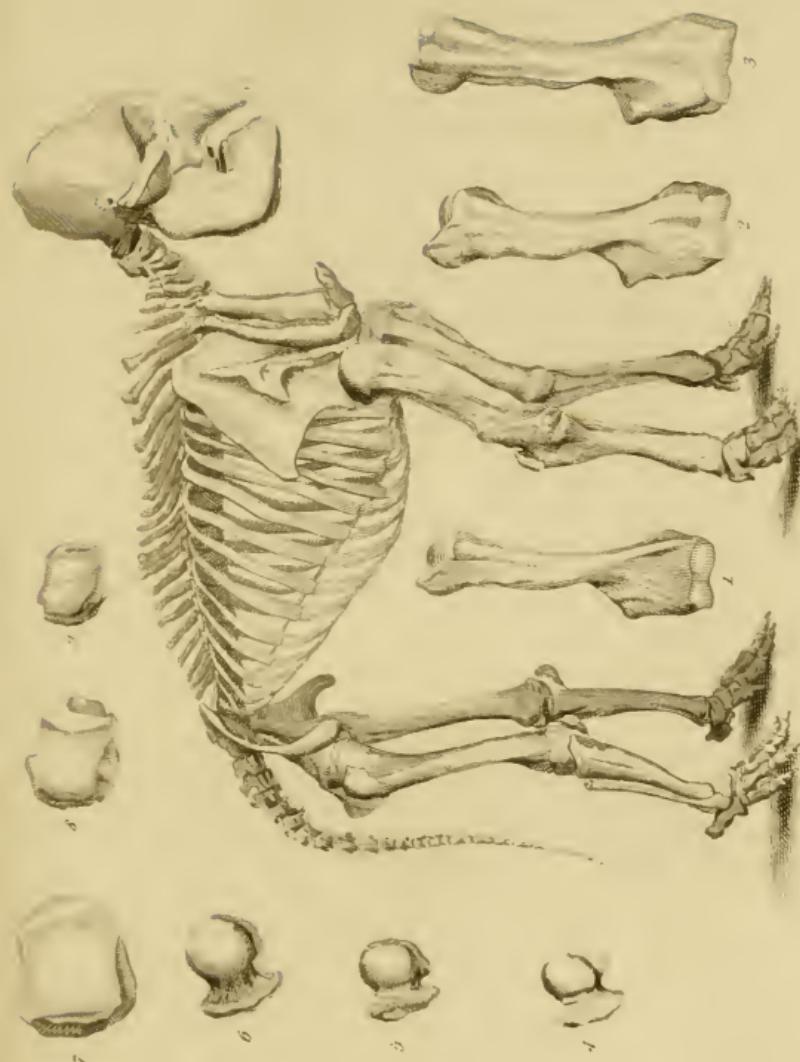


32 n. 5

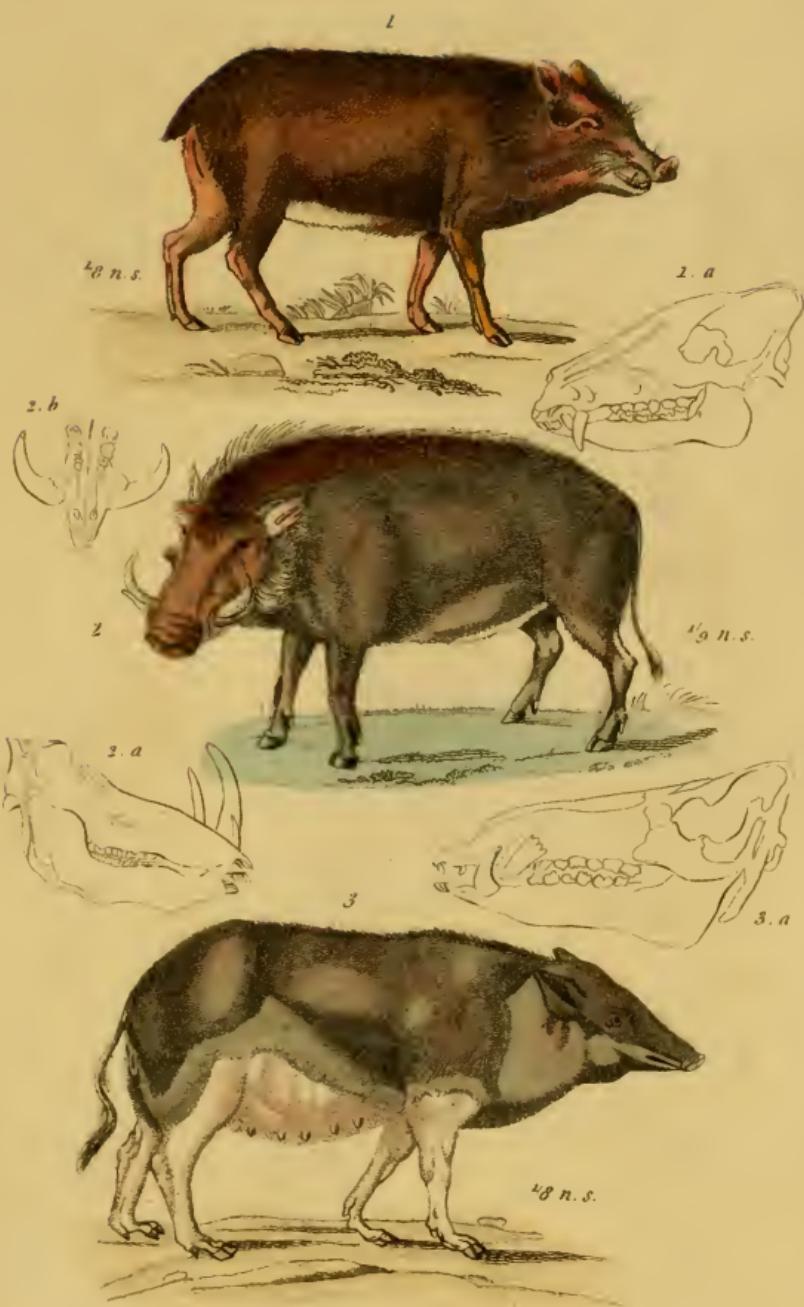
*Skeleton of the Indian Elephant
a nearly adult species in a fossil state, discovered in Liberia*



1. *Elephas indicus. The Indian Elephant.* 2. *Teeth of Elephas. The African Elephant.*
3. *Rhinoceros indicus. The Indian Rhinoceros.*

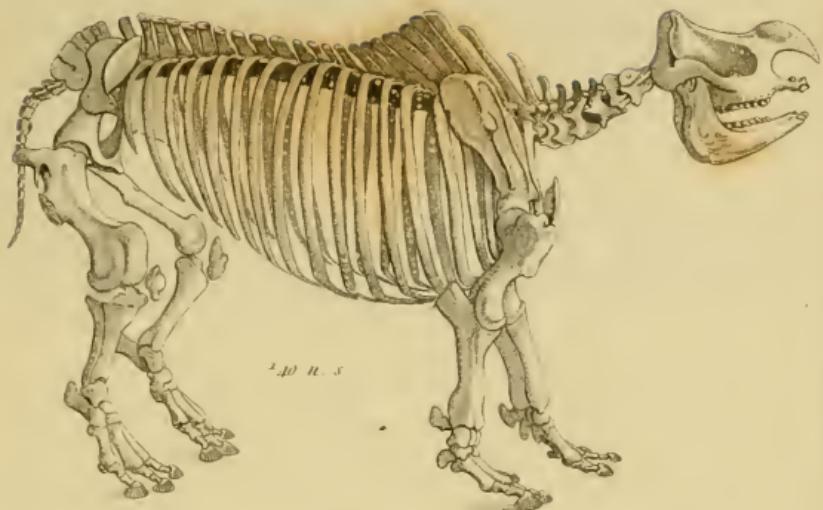


Skeleton of an extinct species of Elephant nearly allied to that of Indian Elephant see Annals of Natural History Vol 2 Page 252

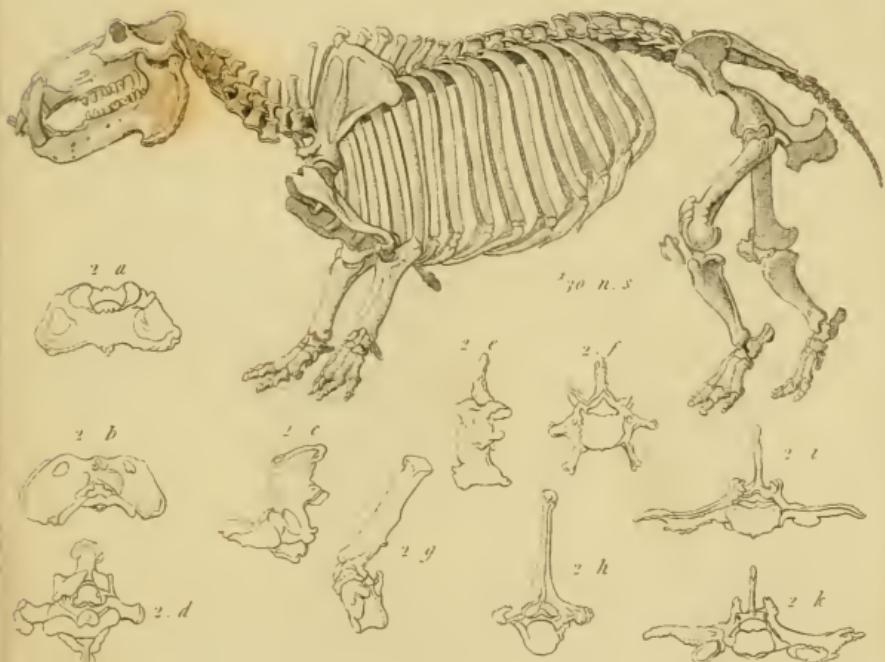


1. *Dicotyles labiatus* (The White lipped Peccary or Tafassou). 2. *Phacochoerus deliani* Rapp. (The Hog of Elian).
3. *Sus scrofa* Var. of Siam. (The Wild Hog).

1



2

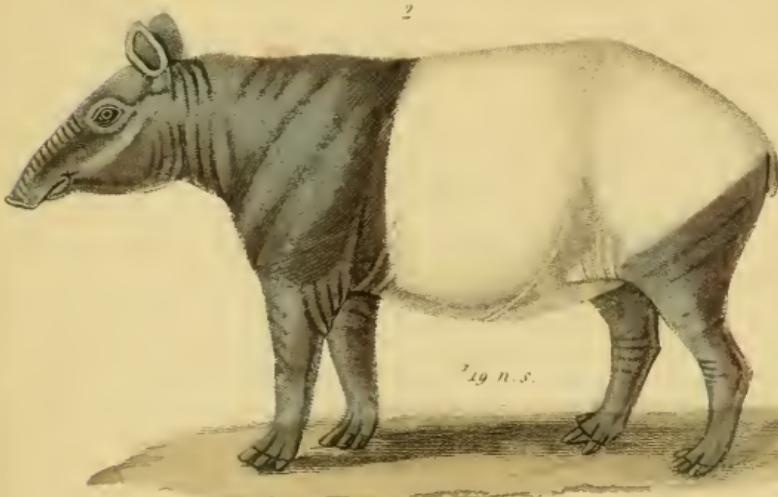
1. *Skeleton of the Rhinoceros unicornis. The horned or Indian Rhinoceros.*2. *Skeleton of the Hippopotamus amphibius Lin. (The Hippopotamus.)*



426 n.s.



2



29 n.s.

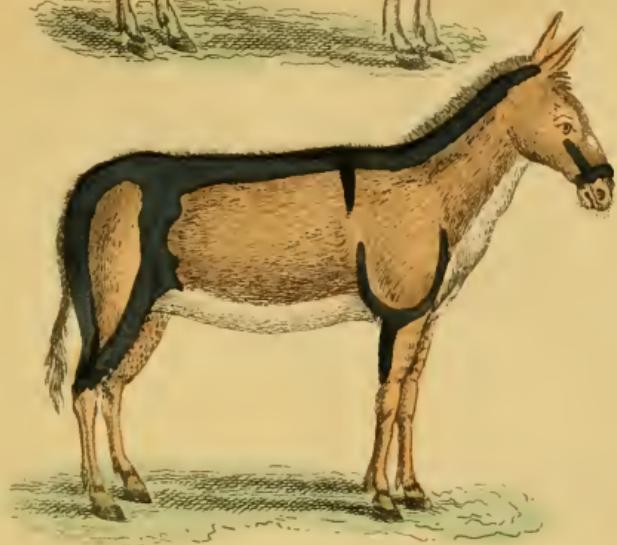
1. *Hippopotamus amphibius*, L. The Hippopotamus; 2. *Tapirus indicus*, (The Tapir of India)

3. Head of *Tapirus americanus* L. (The American Tapir)

2



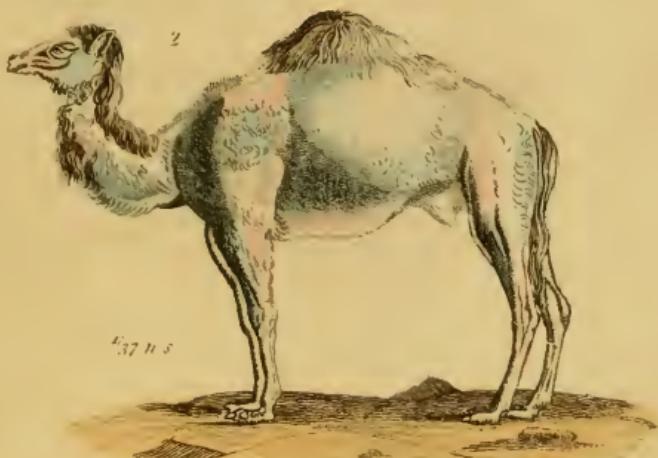
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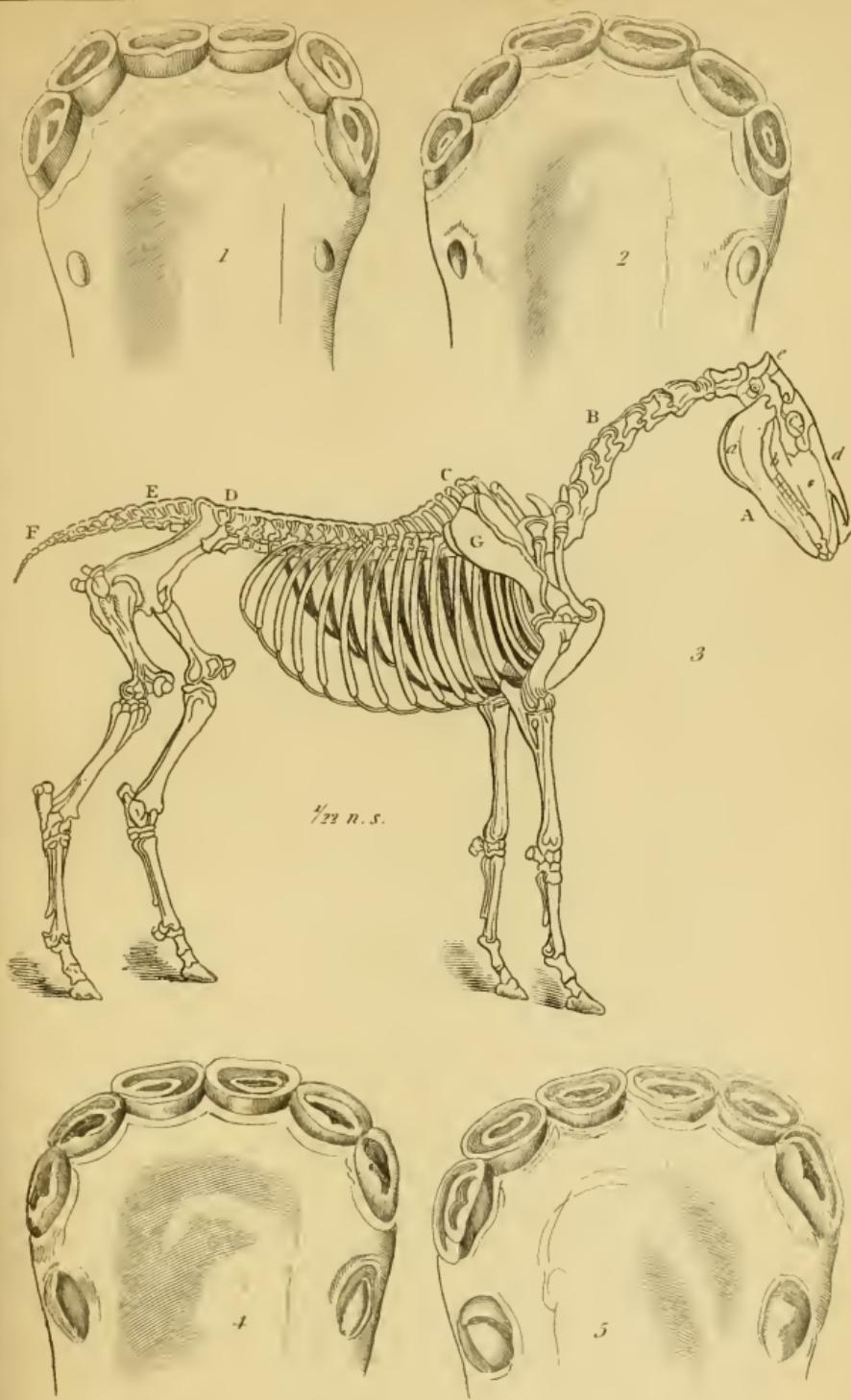
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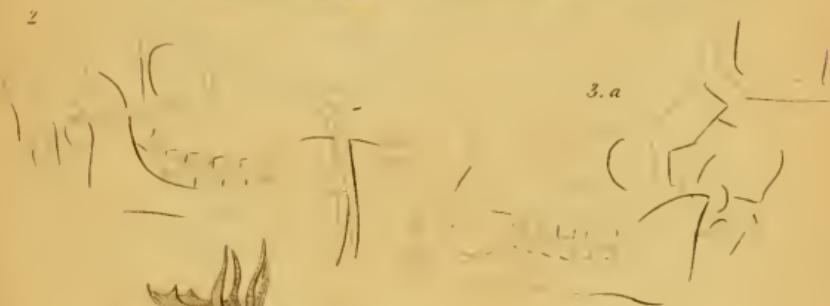
1. *Equus nivitanus*. Burchell. *The Onager* / 2. *Equus hemionus*. Tallas. *The Dzigguetari* /
3. *Equus zebra*. Lin. *The Zebra* /



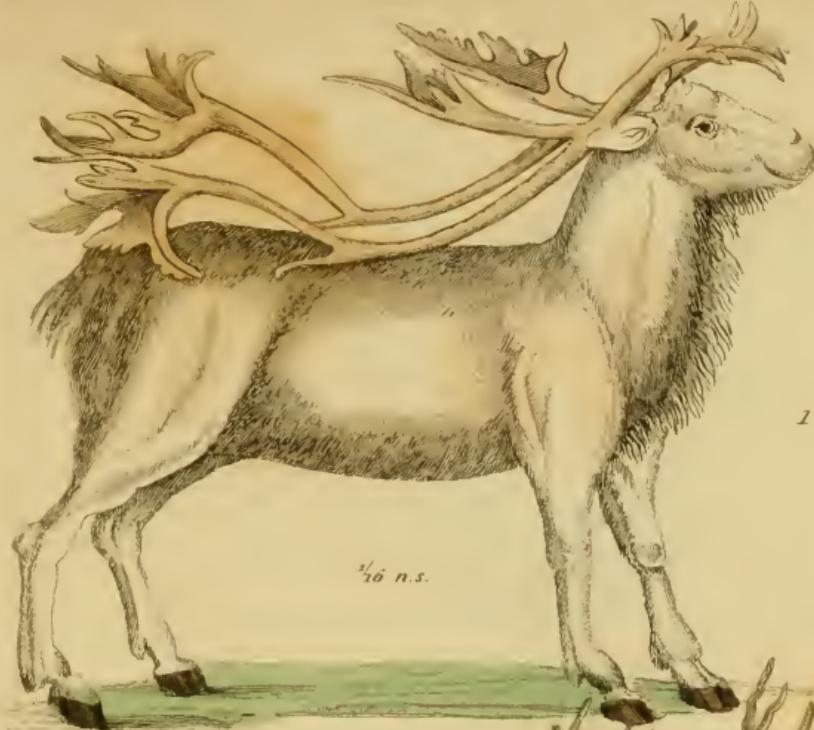
1. *Equus quaccha* Lin. (The Quagga) 2. *Camelus bactrianus* L. (The Bactrian) 3. *Auchenia Haemaa* Lin. Var. *Alpaca*. (The Llama)



1. The teeth of a horse three years old. 2. The teeth of a horse four years old. 3. External structure of *Equus Caballus* The common Horse. A. The Head. a. The posterior maxillary or under jaw. b. The superior maxillary or upper jaw. c. The orbit. d. The nasal bones. e. The suture dividing the parietal bones below from the occipital bones above. f. The inferior maxillary bone. B. The Seven Cervical Vertebrae. C. The Eighteen Dorsal Vertebrae. D. The Six Lumbar Vertebrae. E. The Five Sacral Vertebrae. F. The Caudal Vertebrae. G. The Scapula or shoulder-blade. 4. The teeth of a horse five years old. 5. The teeth of a horse six years old.



1. *Moschus Pygmæus*. Buff. The Pigmy Musk Ox / 2 Head of *Moschus moschiferus* The Musk Ox
3. *Cervus virginianus*. The Virginia Deer /



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2



26 n.s.



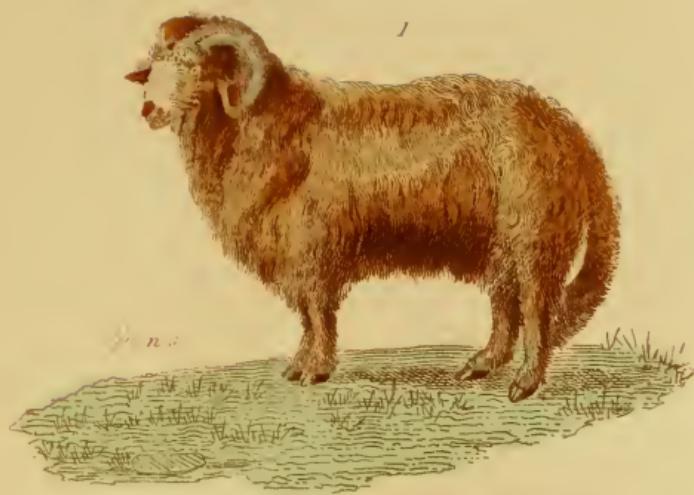


Cervus canadensis Gm. (The Elk)





1. *Camelopardalis girata.* The Giraffe.



1



2

1 *Ovis ammon Lin.* Var. *Laticauda* Lin. The Ibex of Siberia

2 *Capra nigragus Lin.* The Wild Goat

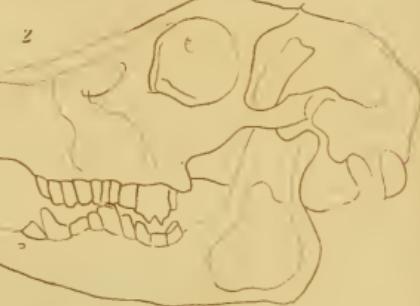


16 n 5



12 n 5

2



1 Antelope *tragelaphus* Gmel. (The Kudu antelope)

2 Head of the Gazelle

3 Antelope *gazella* Lin. (The gazelle)



1

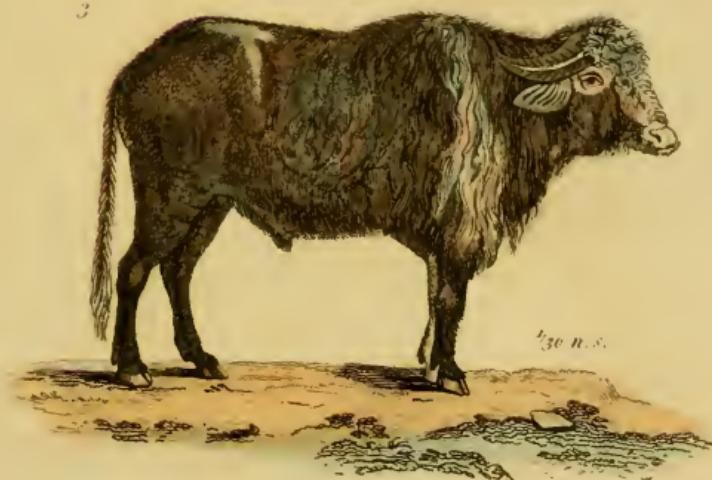


"32 H. S.

2



3



"30 H. S.

1 *Bos bison* Lin. *The American Buffalo or Bison* 2 *Head of Bos taurus* Lin. *The Common Ox*
 3 *Bos bubalus* Lin. *The Buffaloe*



1. Head of the *Bos nivescens*. Male; for female figure see *Mammalia* Pl. 59. 2. *Ovis musimon*. *Grey's The Mammal. Cardinia*. 3. *Ovis tragelaphus*. (i.e. *The Mouflon of Africa*). 4. *Bos primigenius*. *The Aurochs*.

1



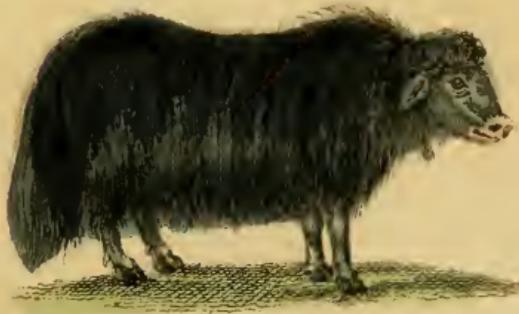
732 N.

2



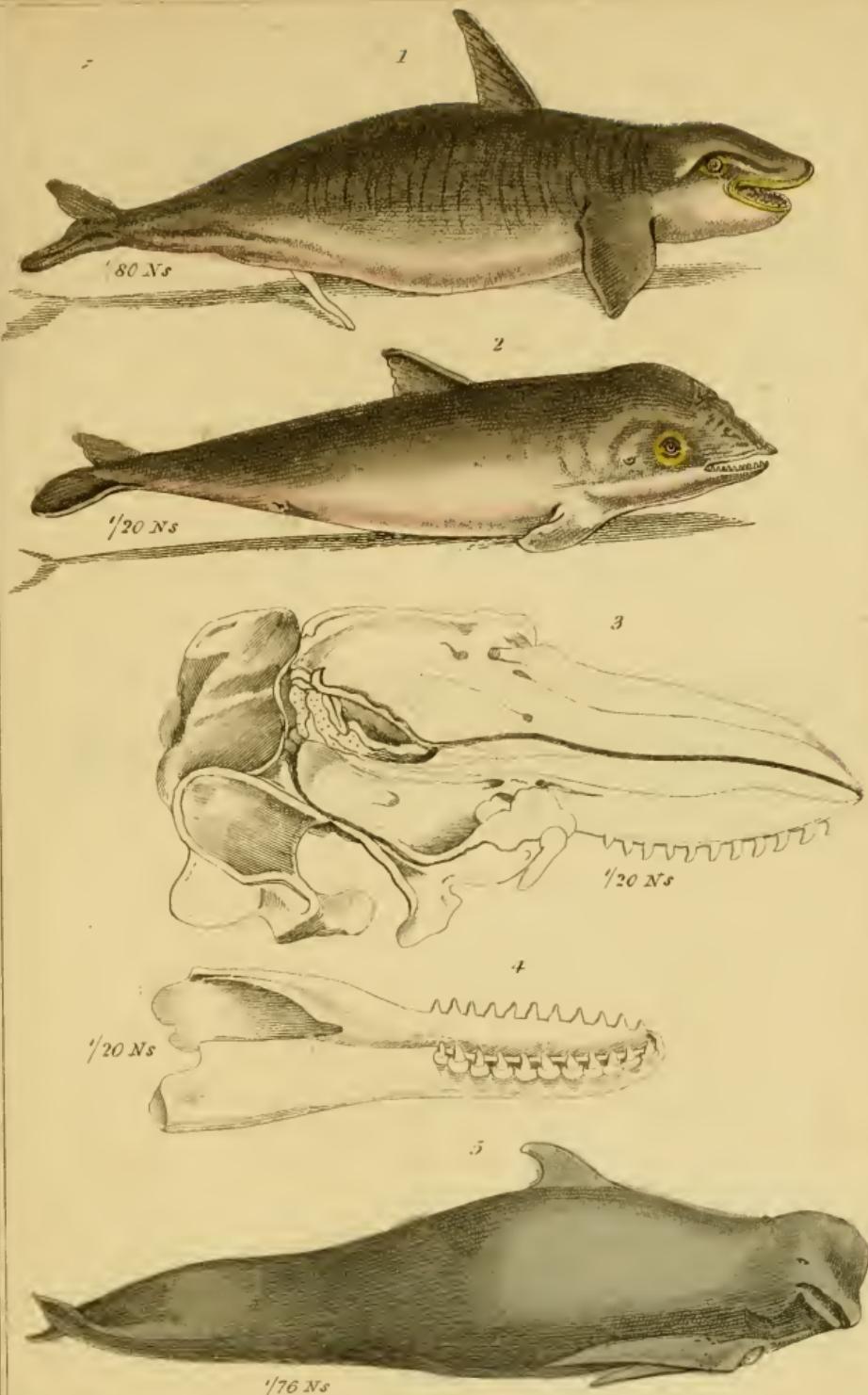
732 N.

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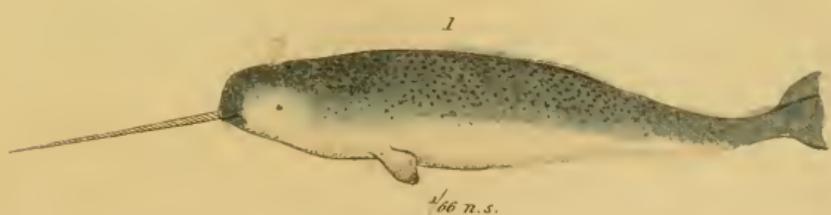
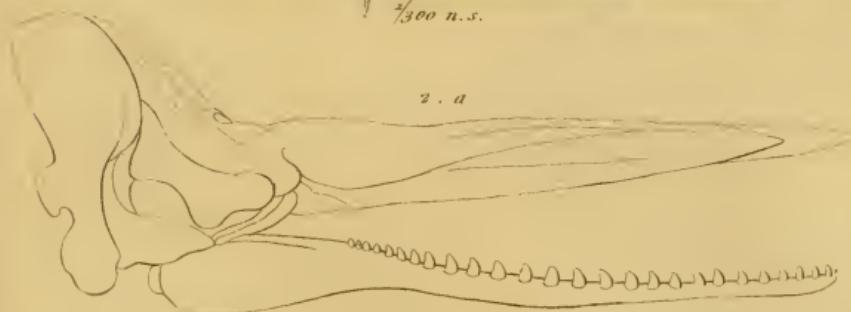
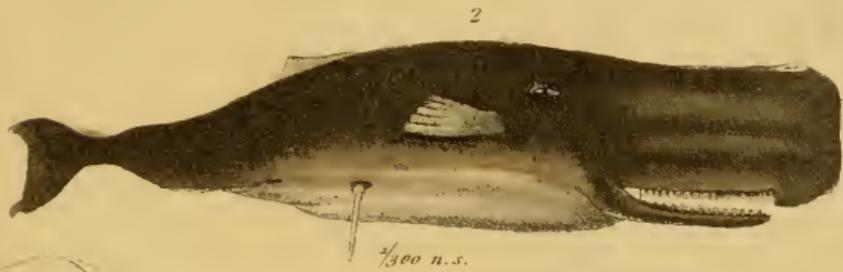
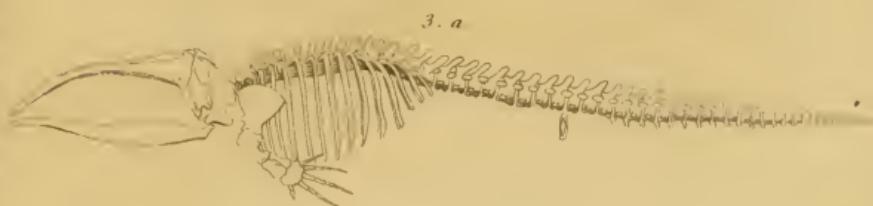
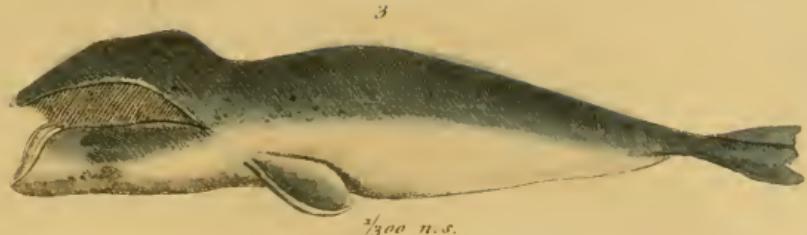
722 N.

1. *Bos caffer. Sparta. The Cape Buffalo.* 2. *Bos moschatus. 6m. The Musk Ox of America.*3. *Bos grunniens. Poll. The grunting Cow of Tartary.*

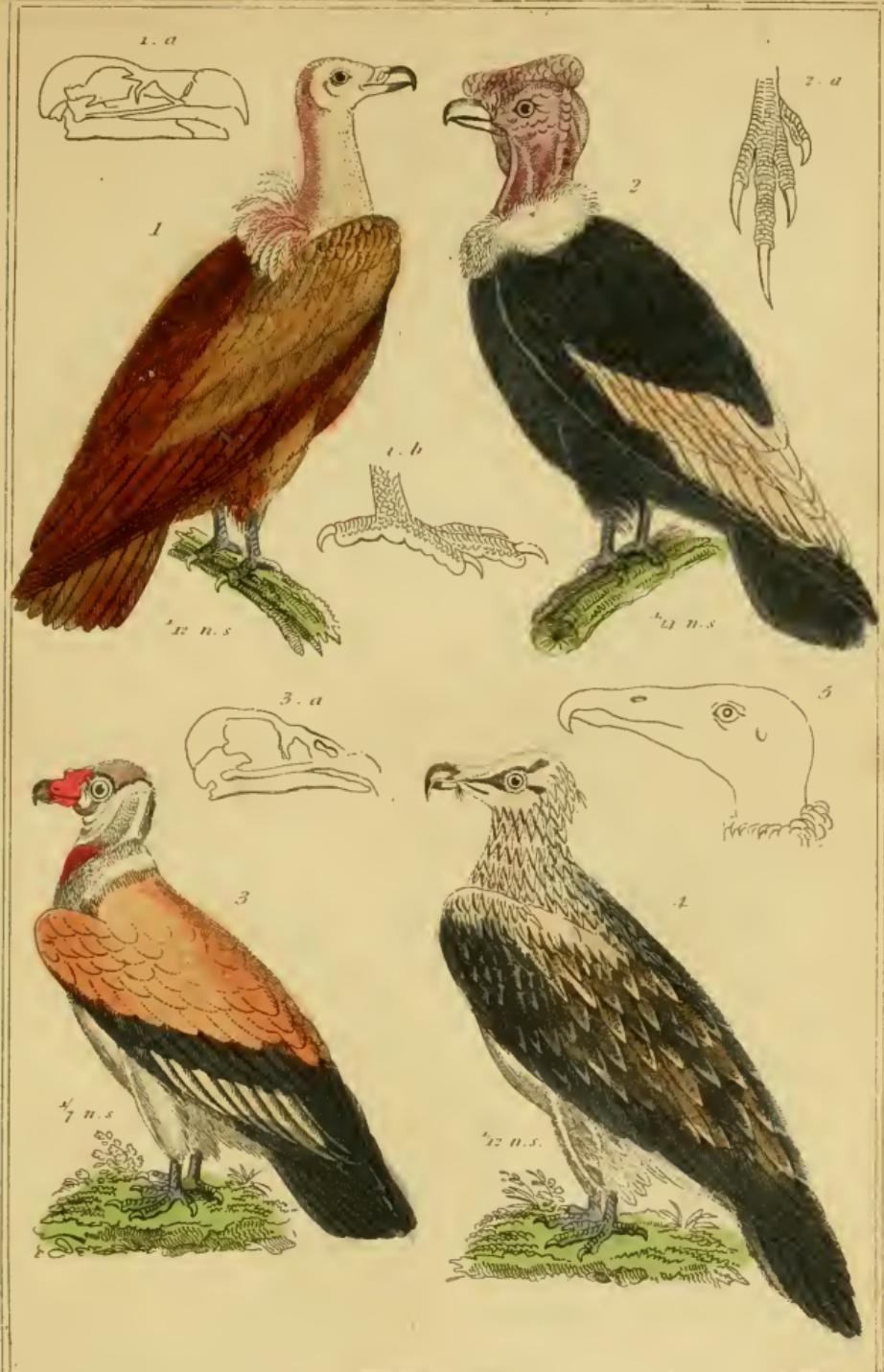


1. *Delphinus orca*, Lacep. (The Grampus) 2. *Delphinus capensis*, Puss. (The Cape Porpoise) 3. The Brain & upper jaw of the *Delphinus orca*. 4. The lower jaw of the *Delphinus orca*. 5. *Delphinus globiceps*, Cuv. (The round headed Grampus)





1. *Monodon monoceros*. L. Cuv. (The Narwhal) 2. *Physeter macrocephalus*. Shaw. Cuv. (The Spermaceti Whale) 3. *Balaena mysticetus*. L. Cuv. (The great Greenland or Bowhead Whale)



1. *Vultur indicus*, civ. (The Indian Vulture) / 2. *Sarcogyps gryphus*, civ. (The Condor or great Vulture of the Andes) / 3. *Sarcogyps papa*, civ. (The King of the Vulture's) / 4. *Gypaetus barbatus*, civ. (The Lambs Vulture) / 5. Head of the *Cathartes aura*, civ. (The Turkey Buzzard) /



1 *Falco Fulvis* *Sm.* (*The Common Eagle*) 2 *Neophron Perenopteri* *Sav.* 3 *Falco Ossifragus* *Sm.*
The Ossifragus.



1. Falco columbarius tam. 1. 2. Falco nova Hollandie White. The Goshawk of New Holland.

3. Falco sandwichensis tam. 3. The Goshawk.



1. *Falco fennetralis.* 2. *Aquila malairensis.*
3. *Astur vanthothorax.* 4. *Head of the Gertault.*



1



2



3

1. *Falco parasiticus*, Lath. 2. *Falco aegennensis*, Gm. 3. *Falco occipitalis*, Paud.



1. *Milvus furcatus* (The fork tailed kite) 2. Head of the *Pernis cristata* (The crested Honey buzzard of Java)
 3. *Buteo jacksoni* (The Rou-noir or Jackal buzzard) 4. *Serpentarius cristatus* (The crested Secretary or snake eater)



1. *Pernis cristatus*, L. *The Honey Buzzard* of Java. 2. *Falco pennsylvanicus* Wils. *The American Sparrow hawk*. 3. *Buteo albicundatus* Vieill. *The White tailed Buzzard*.



1 Falco haliaeetus L. The Osprey 2 Harpyia Ferox The American Harpy 3. Caracara Vulgaris The Common Curacara

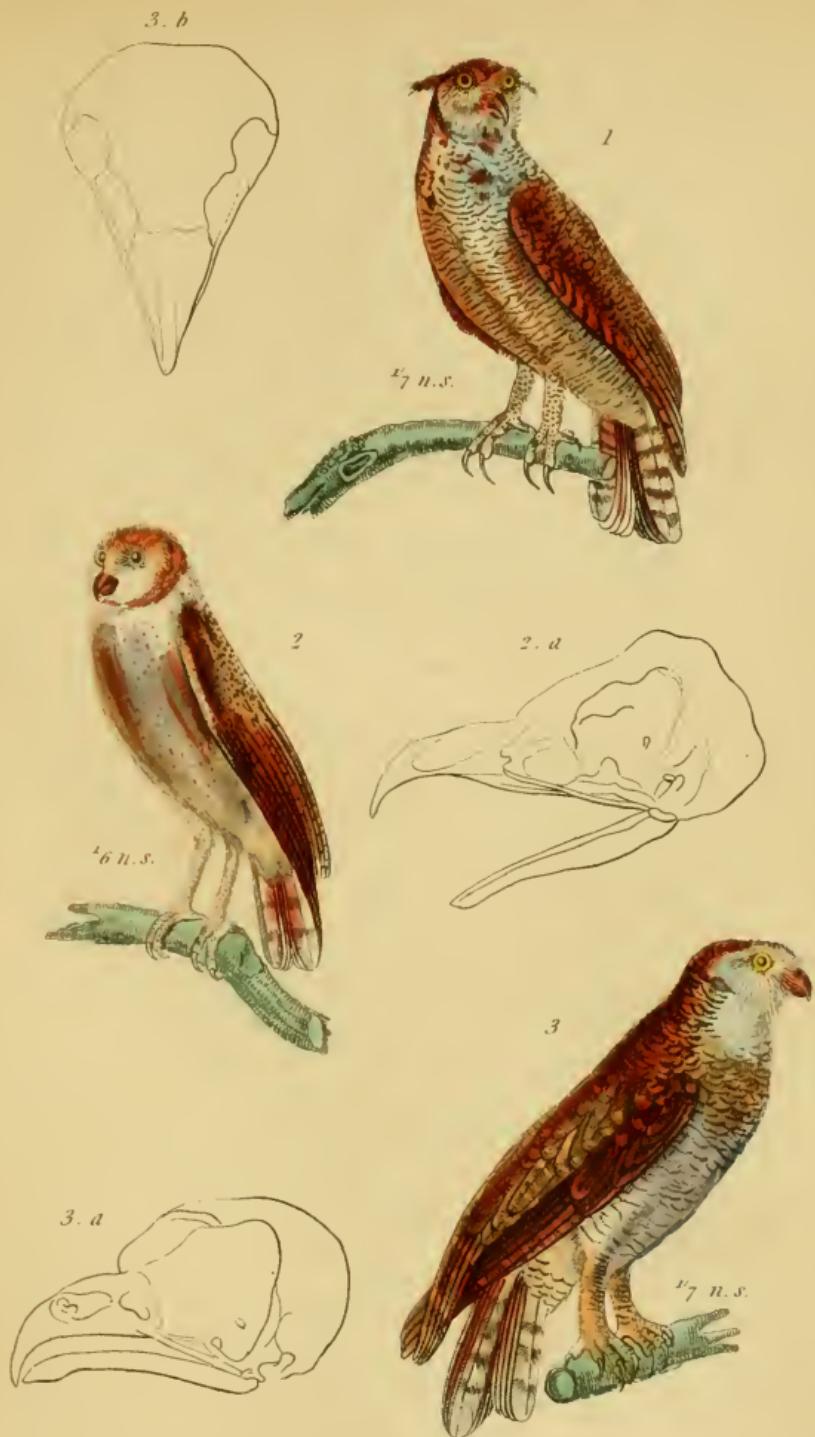


1 *Harpyia Maxim a. viellott* The Great Harpy 2 View of the Head and Face of Fig. 1 3
Falco curanensis Drud The Small Eagle of Curana



1. *Accipiter trivirgatus* 2. *Strix balaust* The Grand Duke

3. *Syrnium aluco* Lin



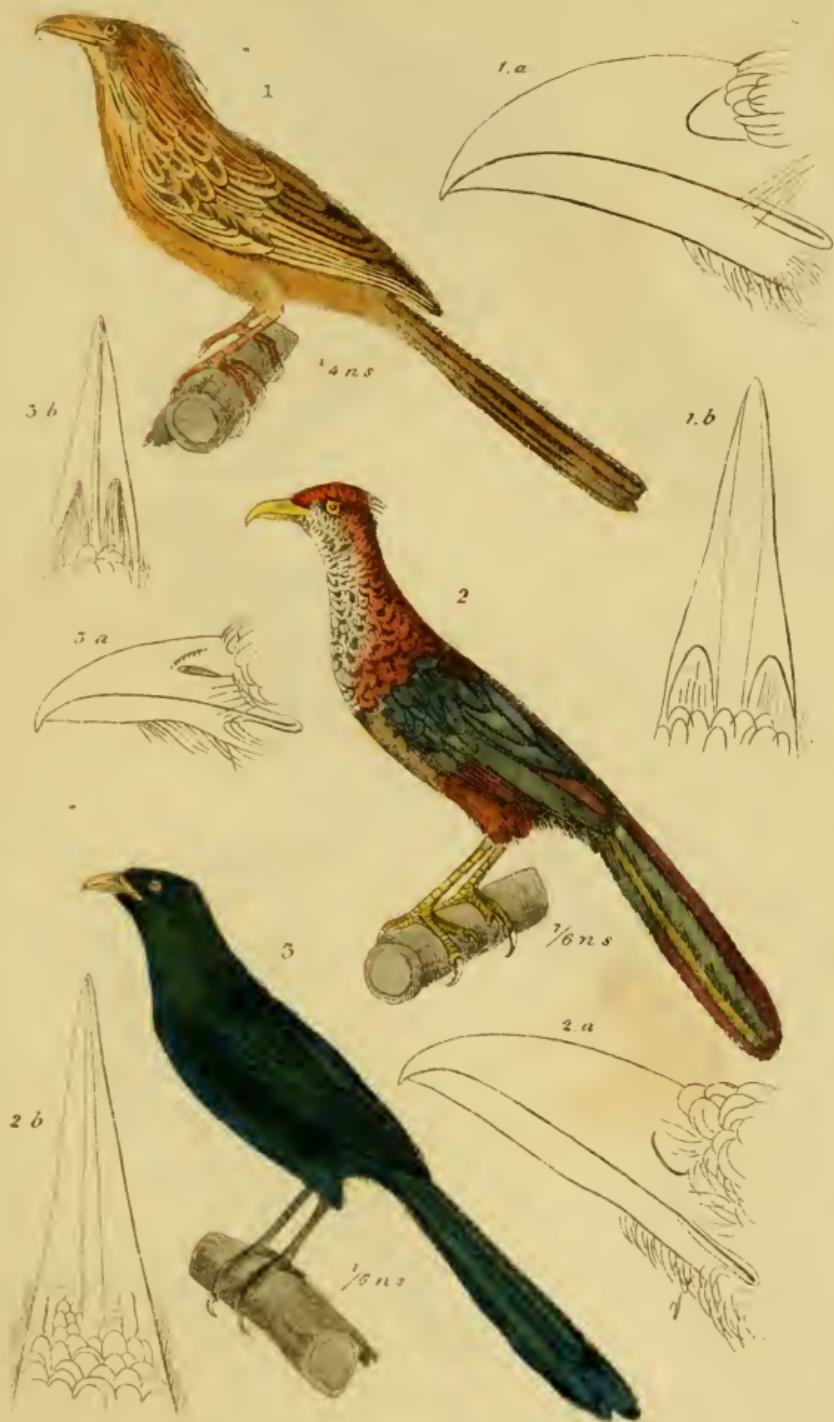
1. *Otus macrorhynchos*. Tem. (The large beaked Owl) 2. *Strix flammea*. L. (The Omnous Screech Owl)
 3. *Syrnium pagodarum*. Tem. (The Village Owl.)



1. *Bubo virginianus* (the Virginian Owl.)
 2. *Ninox ululans*, the Screeching Owl.)
 3. *Scops vulgaris* (the Common Sharp-eared Owl.)

London: G. Henderson & C. Bailey.

1 *Edolisoma semipartitum*, (*Lanius shan*) (The Malabar Shrike)2 *Phaethornis flavicollis*, (The Brazilian Yellow Bill)



1. *Cuculus guira* (The spotted Cuckoo) 2. *Coccyzus Geoffroyi* (The couas Cuckoo)
 3. *Centropus monobiki* (The lark-naped Coucal)



1. *Coccyzus Crustatus* Vieillot The Conas 2. *Cuculus Canorus* Lin. The Common Cuckoo
 3. The Bill of the *Sauvothera vetula* Vieillot & *Indicator minor* Vieillot The Indicator



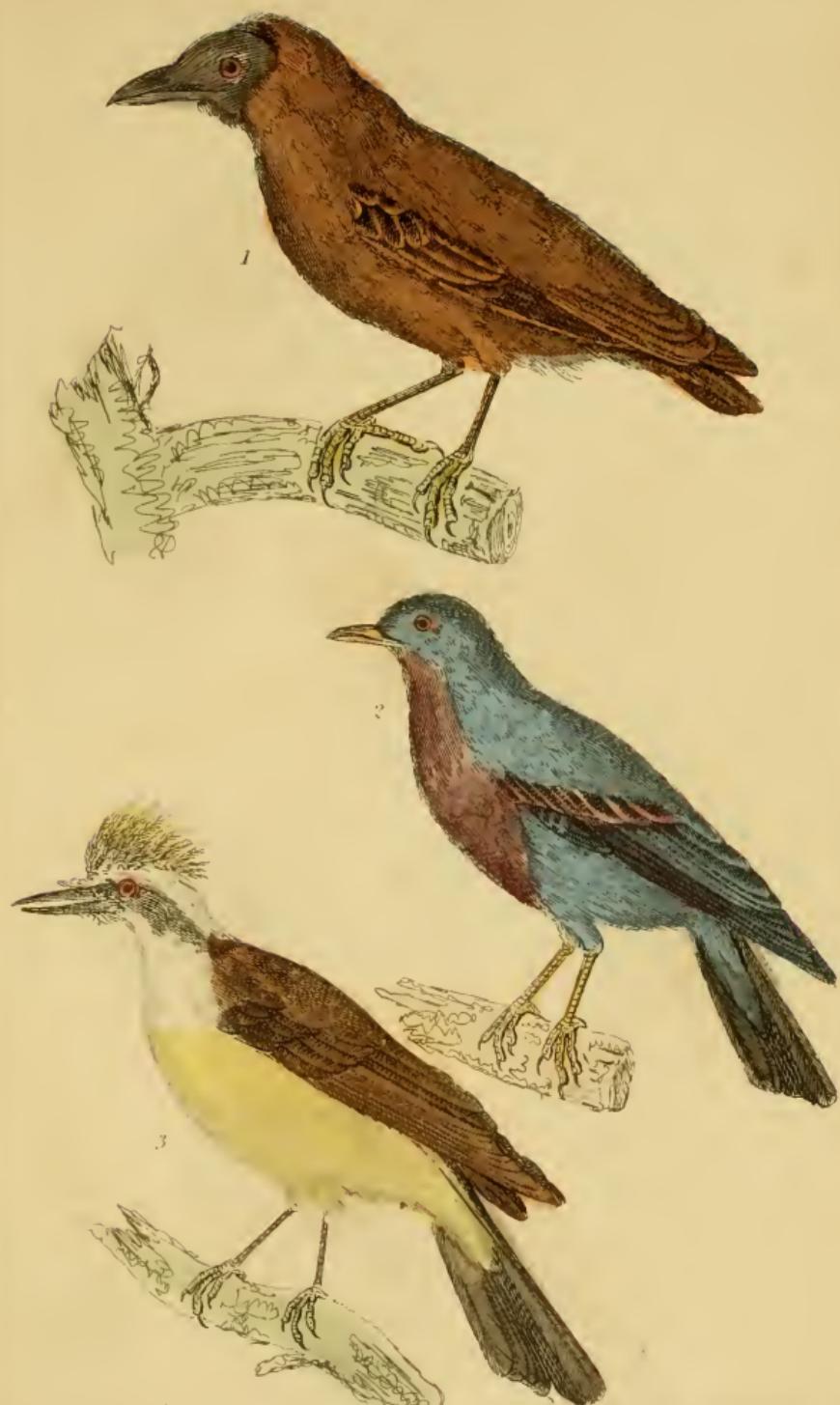
1. *Lanius collaris* (the collared Shrike) 2. *Grauculus melanops* (the dark eyed Choucar) 3. *Barita* Sör
4. *Verjoli Island Waker* 4. Bill of the Yellow Butcher bird 5. Bill of the Green Bird of Paradise
6. Leaf Butcherbird 7. the Bill of the Swallow winged Shrike 8. Bill of the Magpie Shrike



1 *Ocypterus Albovittatus* *Karr* 2. *Lanius Plumatus*. *Shaw*. 3 *Barila Anaphoresis* *Zemm.*



1. *Lanius Pitangua* *timei*. 2. *Bethylus picatus* *tail*. 3. *Lanius Cayanus* *timei*.



1. *Gymnorhynchus capucinus*. L. & S. 2. *Ampelis cotinga*. L. 3. *Muscicapa paradisi*. Gmelin.
The Fly-catcher.





1. *Pardalotus cristatus*, Vieill. The ornamented Pardalote. 2. Bill of the *Lanius tyrannus*, The Tyrant. 3. Bill of the *Muscicapa coronata*, The Crested Muscicapa. 4. *Muscicapa minuta*, Tem. The small Fly catcher. 5. Bill of the *Gymnocephalus caurus*, Tem. The Bald Tyrant. 6. Bill of the *Platyrhynchus caeruleus*, Tem. The blue-billed Fly catcher. 7. *Cephalopterus ornatus*, Vieill. The ornamented Cephalopterus.



1. *Myiothera superciliosa* / the supercilious Andean Catbird
 2. *Cinclosoma rufiventre* / the Common Water Thrush
 3. *Philemon carunculatus* / the carunculated Nuru or Thrush

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2/2 n.s



Struthio camelus (Ostrich of the Eastern Continent.)

London G. Henderson 2. Old Bailey.



1. *Ampelis carnifex.* (The Butcher Chatterer.) 2. Head of the *Procnias averano.* (The variegated Chatterer.)
 3. *Bombicilla cedrorum.* (The Chatterer of the Cedars.) 4. *Gymnoderes nudicollis.* (The bare-necked Chatterer.)
 5. Spiny rump feather & Bill of *Cisticola canus.* (The African Crown bird.) 6. Bill of the *Hirundo hirundinacea*
 (The Swallow Crown-bird.)



1. *Tanagra mericana*, Gm. 2. *Ampelis garulus*, L. (The Bohemian Chatterer.) 3. *Tardus palmarum*, Gm.



1. *Tanagra magna* L. The Grossbeak Tanager 2. *Turdus merula* L. The European Blackbird

3. *Tanagra jucapa* Bonap.





1. Oriolus oriolus L. 2. Grallina cyanoleuca Pall.

3. Merops lessepsii Lath.



1 *Euphainous corydon* Temm. 2 *Pipra pareola* Ed. The Manakin 3 *Emberiza citrinella* Linn. The Yellow Bunting.



1. *Fringilla carduelis* Linn. / The Common Goldfinch. 2. *Rupicola tridus* Temm. The Green Rock of the Rock. 3. *Fringilla montifringilla* Linn. The Mountain Finch.



1 *Faciula sialis*. / *The American Stone-chat* / 2. *Curruca subalpina*. *The Curruca of the lesser Alps* / 3. *Regulus ignicapillus*. 4. *Bill of the Accentor alpinus Bechst. The Accentor of the Alps* / 5. *Bill of the Saxicola rubicola* (Lin.) / *The Mill-clapper* /

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1. *Alanda apiata* Vieill. / *The Bateleur* / 2. *Parus baranicus* / *The Bearded Titmouse* / 3. Head of the *Parus caeruleus* / *The Blue Titmouse* / 4. *Pyrgita eiris* / *The Lark Bunting* / 5. Bill of the *Remiz* / *The Pendulous Titmouse* / 6. Bill of the *Alanda calandra* / *The Calandre Lark* / 7. Bill of the *Emberiza cirrus* / *The Gull Bunting* / 8. Bill of the *Tisserin jaune* / *The Yellow Weaver* / 9. Bill of the *Fringilla montifringilla* / *The Mountain Finch* / 10. Bill of the *Lusaria cannabina* / *The Linnet* /



1. *Vidua longicauda*, Gmel. The long-tailed Widow. 2. Bill of the Common Grosbeak. 3. Bill of the *Pitylus canadensis*. The Canadian Grosbeak. 4. *Pyrrhula vulgaris*, Briss. The common Bullfinch. 5. Bill of the *Loxia curvirostra*, Lin. The Grosbeak. 6. Bill of the *Corythopis enucleator*. 7. *Colius leuconotus*, Lath. The Cuckoo. 8. Bill of the *Buphagus africanus*. The Beef-eater.



1. *Eulabes javanicus* Vieill. The Javan crested Starling. 2. *Gracula religiosa* Temm. The Bell of the Manchuria. 3. *Pyrrhocorax alpinus*. The Alpine Crow. 4. *Leucosticte leucosticte* Temm. The Bell of the Manchuria.



1. *Anabates superciliosus*. 'The Thrush-billed Nuthatch' 2. *Synallaxys tessellata* 'The Variegated Nuthatch'

3. *Sitta canadensis* (L. du Mo.) 'The European Nuthatch' A Bill of the *Xenops rutilans*. 'The Shining Nuthatch'

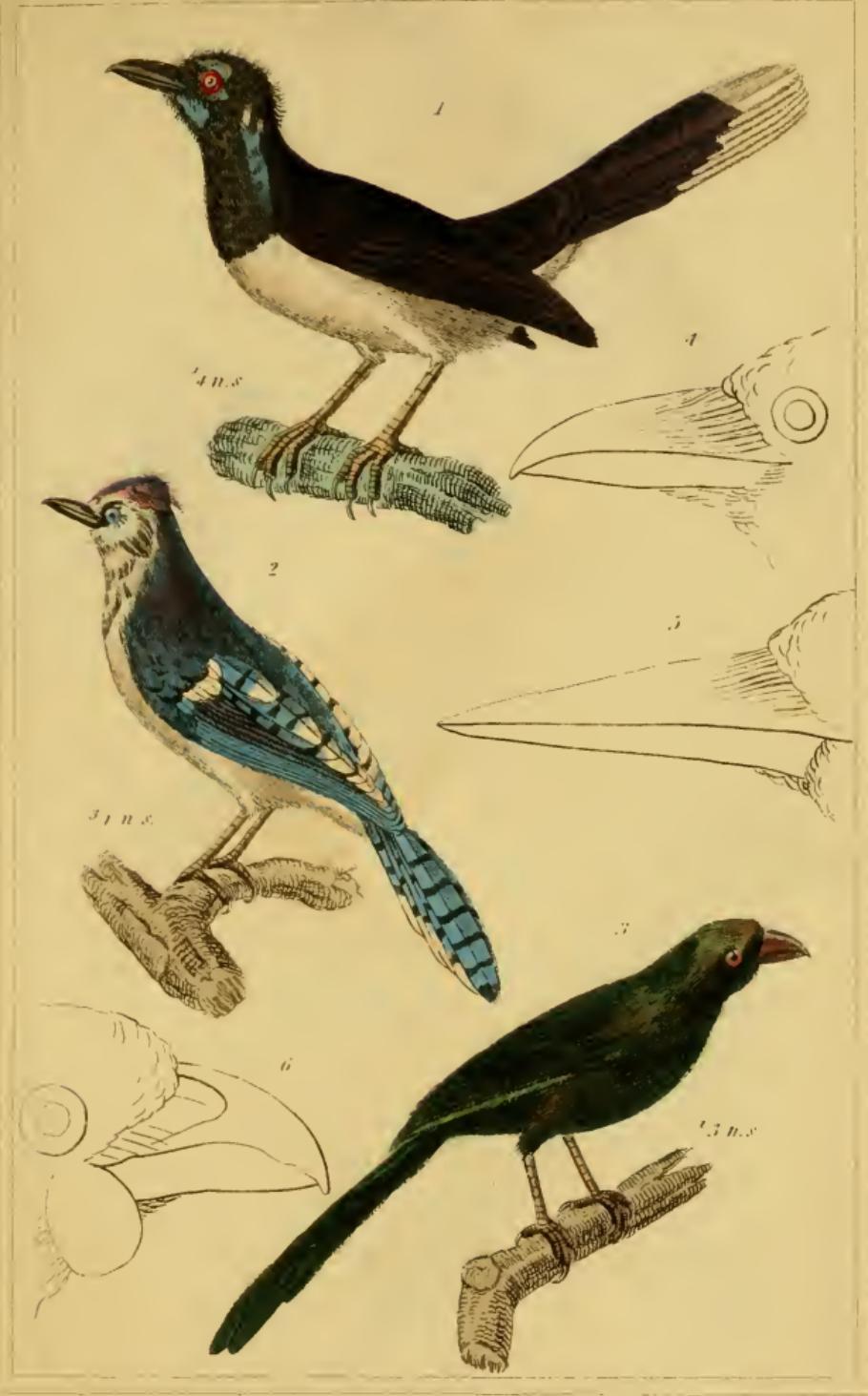
1. *Ornolus caudouenanus* Vahl. The Caudouenan of India2. *Menura lyra* Vahl. The Lyra Bird or Superb Manura



1. *Motacilla flava*. *The Wheat-eat*. 2. *Motacilla lusciniae* *Gmelin*. *The Nightingale* 3. *Sylvia subalpina* *Bonelli*.



1. *Dicaeum erythronotus* Vieill. (The Scarlet-backed Creeper) 2. *Melithreptus vestigerus* (The Scarlet-breasted Creeper) 3. *Cinnyris solaris* Tem. (The Sun Creeper) 4. Bill of the *Laniarius leucorhynchus* Tem. (The Long-billed Creeper)



1. *Pica chrysops*. (The crested Jay.) 2. *Garrulus cristatus*. (The Blue Jay of Gatesby.) 3. *Tenuirostris varians*. (The variable Pie.) 4. *Corvus splendens*. (Bill of the splendid Jay.) 5. *Caryocatactes vulgaris*. (Bill of the Common Starling.) 6. *Glaucopterus cinereus*. (The Ash-coloured Glaucopterus.)



1. *Corvus leucophrys*, Gmel. The Northern hare. 2. *Corvus caryocaeetes*, Lin. The Common Nutcracker. 3. *Corvus glandarius*, Lin. The Jay of Europe.



1. *Paradisaea apoda*. Great Bird of Paradise; also called the Emerald Bird of Paradise.

2. *Paradisaea aurea*. Golden-breasted Bird of Paradise.



1. *Rupicola vulgaris* (The common Cock of the Rock) 2. *Pipra erytrocephala* (The Yellow headed Manakin)
 3. *Euphonia macrourhynchos* (Laniarius Todas)





1. *Cypselus murinus*. Temm. The Martinet. 2. *Caprimulgus europaeus*. The European Goatsucker. 3. *Hirundo urbica*. Lin. The Swallow.



1. *Merops amethystinus*, Tem. (The Green Bee Eater)

2 *Prionops brasiliensis* Illig. (The Brazilian Saw Bill)



1. *Coracias benghalensis* Gmel. *The Bengal Roller*
2. *Coracias garrulus* Gmel. *The Garrulous Roller*



1. *Loxia curvirostra* Lin. *The Pine Grosbeak* / 2. *Loxia leucoptera* Lin. *The common Grosbeak* /
3. *Loxia curvirostra* Lin. *The Grosbill*



1 *Certhia familiaris* L. *The Common Creeper* 2 *Dendrocolaptes platyrostris* L. *The Nascaan Woodpecker*
 3 Bill of the *Dendrocolaptes nasicus* L. *The Nascaan Woodpecker* 4 Bill of the *Dendrocolaptes sanctithomae* Tem. *The Red-billed Woodpecker* 5 Bill of the *Tichodroma muraria* L. *The Wind-trooper* 6 *Nectarinia superciliaris* L. *The Guatiquit*

Lund n. & Henderson 2 Old Bond St.



1. *Uroptila superba*, Lath. / *The Splendid Puet* / 2. *Dendrocolaptes communis*, Gm. / *The Woodpecker*. / 3. *Dendrocolaptes procurvus*, Temm.





1. *Certhia cyana*, Viell. 2. *Certhia muraria*, Lin. (The Wall Creeper)
3. *Certhia flaveola*, Gm.



2



3



1 *Sturnus vulgaris* L. The common Starling. 2 *Coracias Madagascariensis* The Madagascan Roller.
3 *Onychognathus cristatus* Gmel. The Rosy Starling.



1. Aras Sacamocoi Gmel 2. Motacilla Cayana Gmel The Pipit 3. Crinypis Senegalensis



1. *Xanthornus jacanoides* Gould. 2. *Oxyruncus flammeoeps*. 3. *Sturnus ruber* Swinh.

4. Bill of the *Cassius hanoviensis*. 5. Bill of the *Icterus naevius*. The Black Icterus.

6. Bill of the *Icterus cayana*. The Cayenne Icterus.



1. *Upupa minor* Vieill. / The Lef's or African Hoopoe/ 2 *Promerop's cafer* Eng. / The New Guinea Hoopoe/

3. *Epimachus magnificus* / The Splendid Epimachus/

1. a



1.

C. H. J.

1. b



2



1. n.

1. *Micr. glossus aterrimus* Geoff. *The Black horned Paroquet*2. *Pezoporus formosus* Tait. *The Beautiful nimble Paroquet*

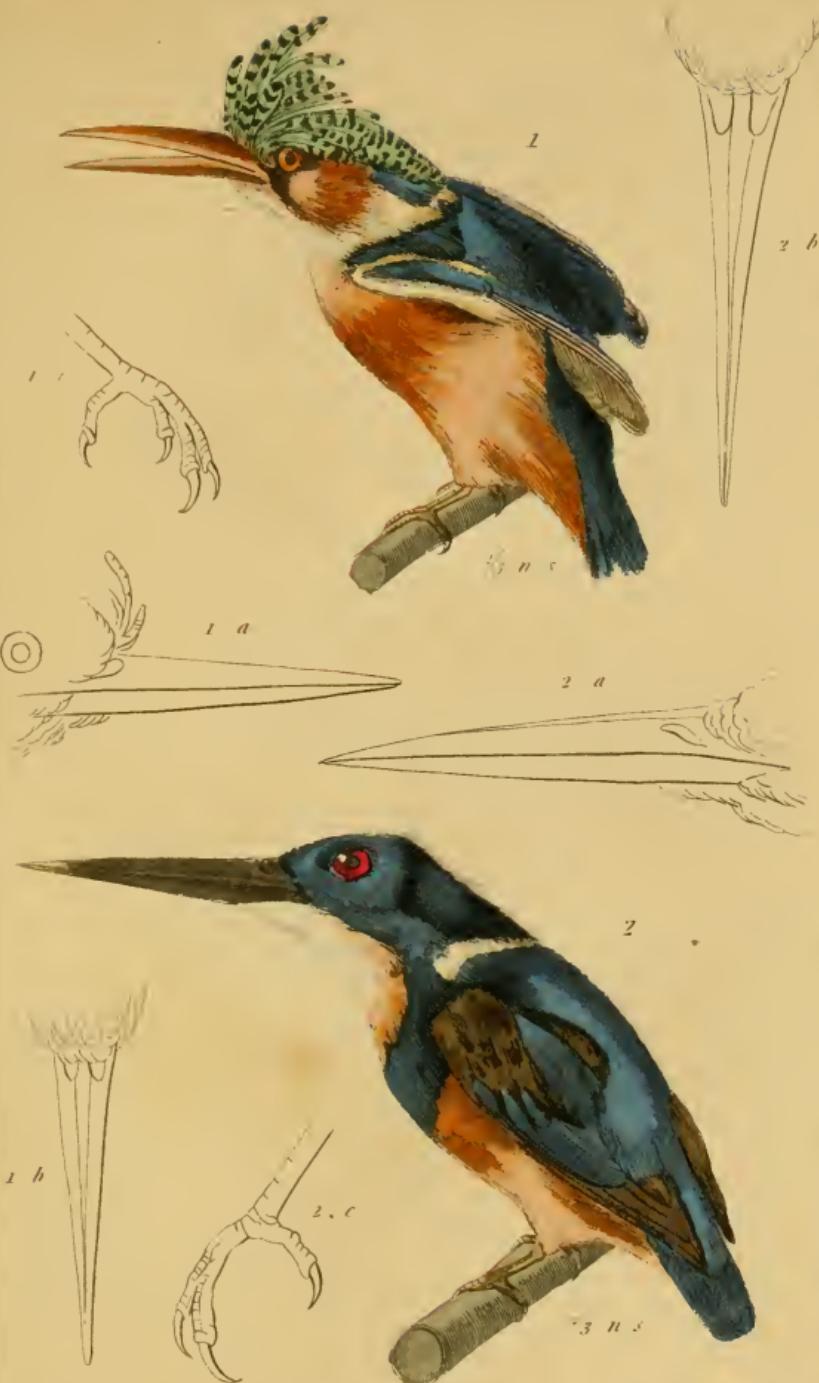


1. *Musophaga gigantea* Vieill. *The Gigantic Touraco, or violet-coloured Plantain-eater.*

2. *Corythaeola paulinae* Temm. *The Toucan of Pauline.*



1. *Troglodytes troglodytes*. / The European Wren. / 2. Bill of *Troglodytes communis*. / The Common Wren. / 3. *Motacilla lugubris*. / The lugubrious Wagtail. / 4. Foot of *Motacilla flava*. The Yellow Wagtail. / 5. *Phylloscopus collybita*. The Tee Pipit.

1. *Alcedo cristata* (The Crested King-fisher)2. *Ceryle tridactyla* Sh. (The three toed King-fisher)



1. *Motacilla recondita* Lin. *The Roitelet* / 2. *Motacilla alpina* Gm. *The Alpine Fauvette*

3. *Anthus pratensis* Beckst.

London: G. Henderson. 2 Old Bailey.



1. *Trochilus granatinus* (the garnet throated Humming Bird) 2. *Tr. b.*
 3. *Orthorhynchus oru* (the straight billed
 4. *Ortho. Magnificus* (the gigantic Humming Bird)

London C. Henderson 2 Old Bailey.



1 *Leptosomus viridis* Pailly 2 *Indicator variegatus* Lesson. *The Variegated Indicator*
 3 *Monacha leucops* Illiger



1 *Todus viridis* The Tody 2 *Buceros hydrocorax* Gmel. The Horn-bill of Timor



1. *Malcoha superciliaris*. The Common Malcoha

2. *Scythrops australasiae*. The Australian Scythrops



1. *Galbulula albostriata* Vauv. 2. Bill of the *Jacamaraleyon*. 3. *Picus Lherminieri*, Lesson. The Wood-pecker of Lesson. 4. Bill of the *Picus tridactylus*. The Picoid Woodpecker. 5. *Yunx torquilla*, Lin. The toucannen Weyneek.



3 H. & S.

3



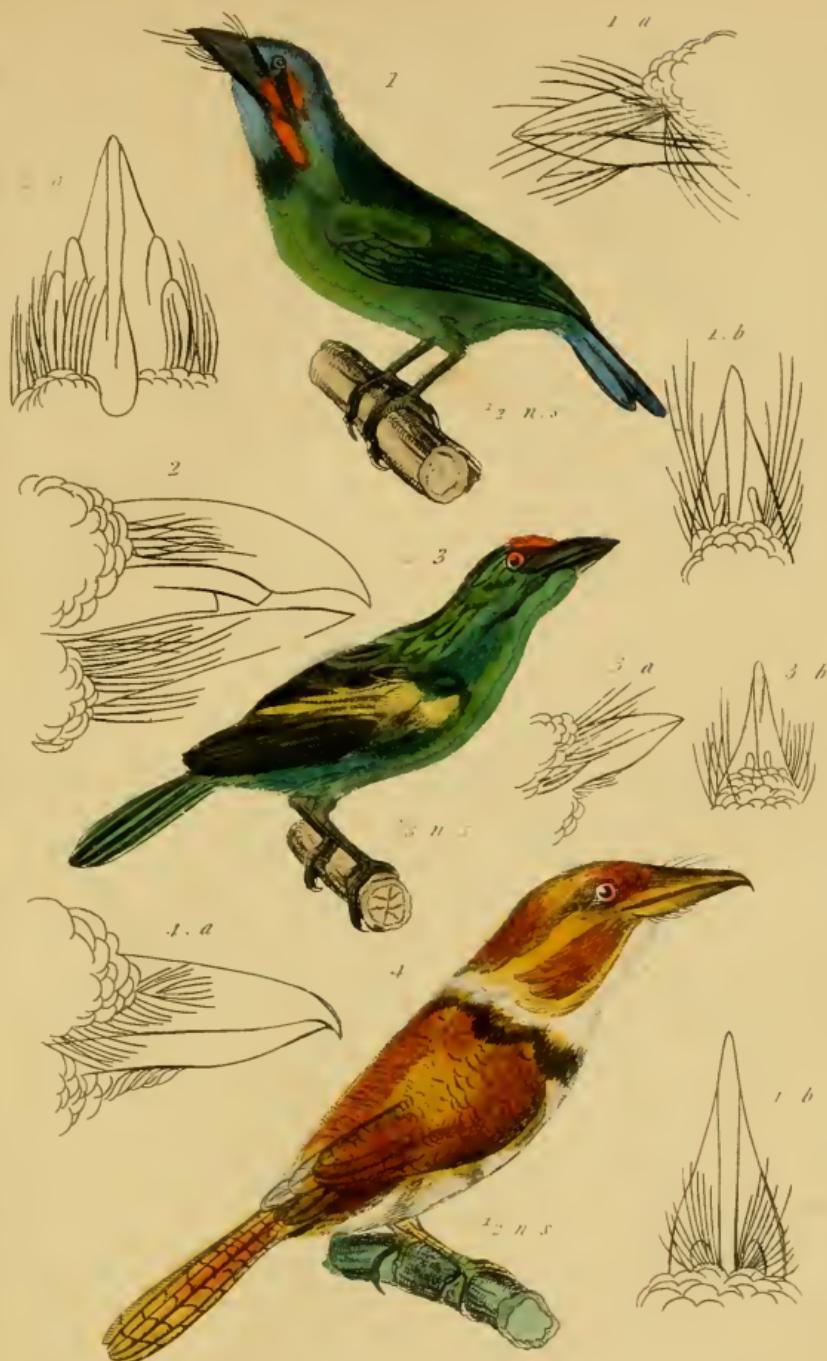
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1 *Hirundo collaris*. (The collared Swallow) 2 *P. cuyanus*. (The Martin) 3. Head and Tars of the Goat sucker 4 *Podargus cuyanus*. (The Goat sucker of Cuyar).



1 Bacco Duvauzelii Less / Duvauzelius Barbet / 2 Bill of the Pogonias major sulcirostris Leach
 The Great Vagan / 3. Bucco parvus. Barbion / Vauv. / The Barbican / 4 Tamiata collaris. The
 Banded Tamiata



1. *Tamatia melanoleucus*, Gm. / *The Tamatia* / 2. *Malcoha rouverdin*, Vail. / *The Malcoha* of Vaillant / 3. *Bucconiger*, Gm. / *The Black Throated Barbet*.



1. *Jacamerops grandis*. *Tall The Grand Jacamar*. 2. *Galbula ruficauda nobivall*. *The Red-tail Jacamar*. 3. *Todus platyrhynchos*. *Gm.*





1. *Trococcyx pavoninus* Tem. The Peacock Coucou. 2. Bill of the *Trococcyx pavoninus*. 3. *Ramphastos maximus* Gmel. Greatest Billed Toucan. 4. Bill of the *Grotophaga maya*. The Greater Ani.





1. *Ramphastos aracari* Gm. 2. *Ramphastos toco*. *Vaillant's Birds of Paradise*. Pl. 2. 3. *Crotaphaga ani*. Gm.



1. Ara ararauna Gmel. The Brazilian Scarlet Macaw
2. Cacatua galerita. White. The Crested Cockatoo



1. *Tetrao umbellus*. Gmel. *The ruffed heath cock*) 2. *Tetrao lagopus*. L. *The Ptarmigan. White Grouse, or Partridge of the Pyrenees*) 3. *Pterocles australis*. Pall. *(The Partridge of Aragon)*

1. *Francolinus ocellatus*. Tem. (The all-eyed Francolin) 2. *Perdix petrosa*. Gmel. (The Rock Partridge)3. *Colinus californicus*. Sh. (The Californian Colin)



1. *Tetrao rufus*, L. The Red Partridge | 2. *Perdix rufa*, Temm.

3. *Francolinus clamosus*, Temm.



17 n.s.



18 n.s.

1. *Opisthocomus cristatus*. L. The Hoatzin 2. *Crax rubra*. L. The Red Bucó 3. Head of the Penelope guan Edw. (The Guan) 4. Head of the Ortalida paraguaia L. The Parraquá 5. Head of the Taurax paucis L. The Stone Bird



2



3



1. *Cuculus persicus*, Lin. *The Touraco* 2. *Crax alector*, Lin. *The Hocco* /
3. *Musophaga violacea*, Vieill. *The Plantain-eater*





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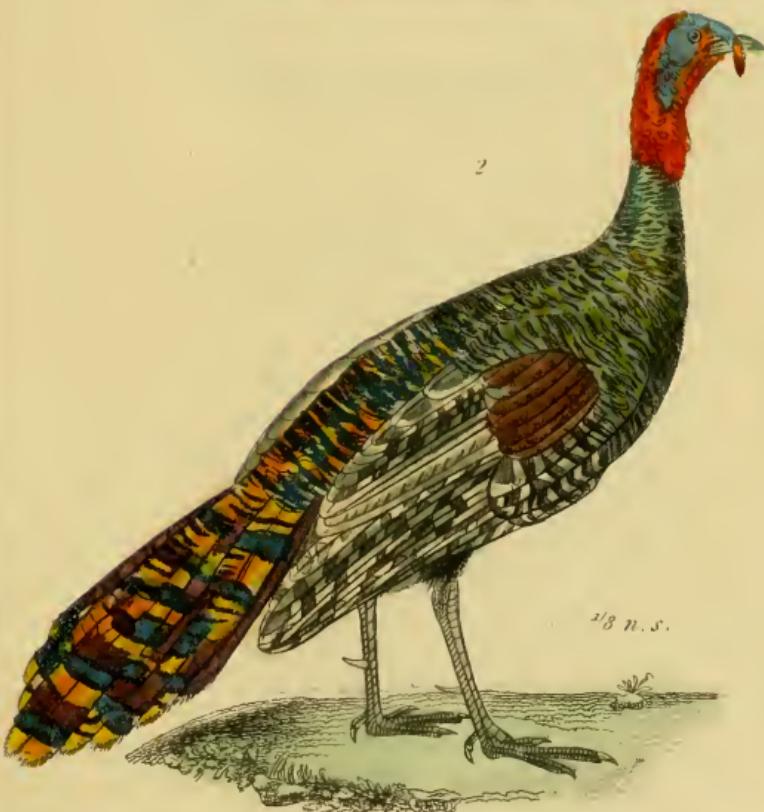


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1. *Phasianus gallus*. L. / The Domestic Cock / 2. *Numida meleagris* L. / The Common Guinea hen / 3. *Meleagris gallopavo*. L. / The Common Turkey /



1. *Numida phaethon*, Lich. / The Crested-billed Guinea Hen. /
2. *Meleagris ocellata*. / The Golden Green-necked Turkey. /



1. *Tipamus brasiliensis* L. *The Brazilian Tinamoo* . 2. *Phasianus pictus* L. *The Golden Pheasant* . 3. *Hemipodius uigrinrons*, Temm.



1 *Paro Cristatus* (the Common Peacock)
2 *Lophophorus Cuvieri* (Cuvier's Pheasant)

London G. Henderson 2 Old Bailey



1. *Megapodius Duperreyi*. Less.

2. *Lophophorus rufigularis*. Temm.



1. *Cryptonyx coronatus* Tem. / The Sumatra Pheasant Bird / 2. *Houppitter Diardi*, Gallicus du Mus. / Diardi's Pheasant / 3. Head of the Houppitter ignitus, Sch. / The Sunda Pheasant / 4. *Tragopan satyra*, Gou. / The Horned Pheasant of Nepal



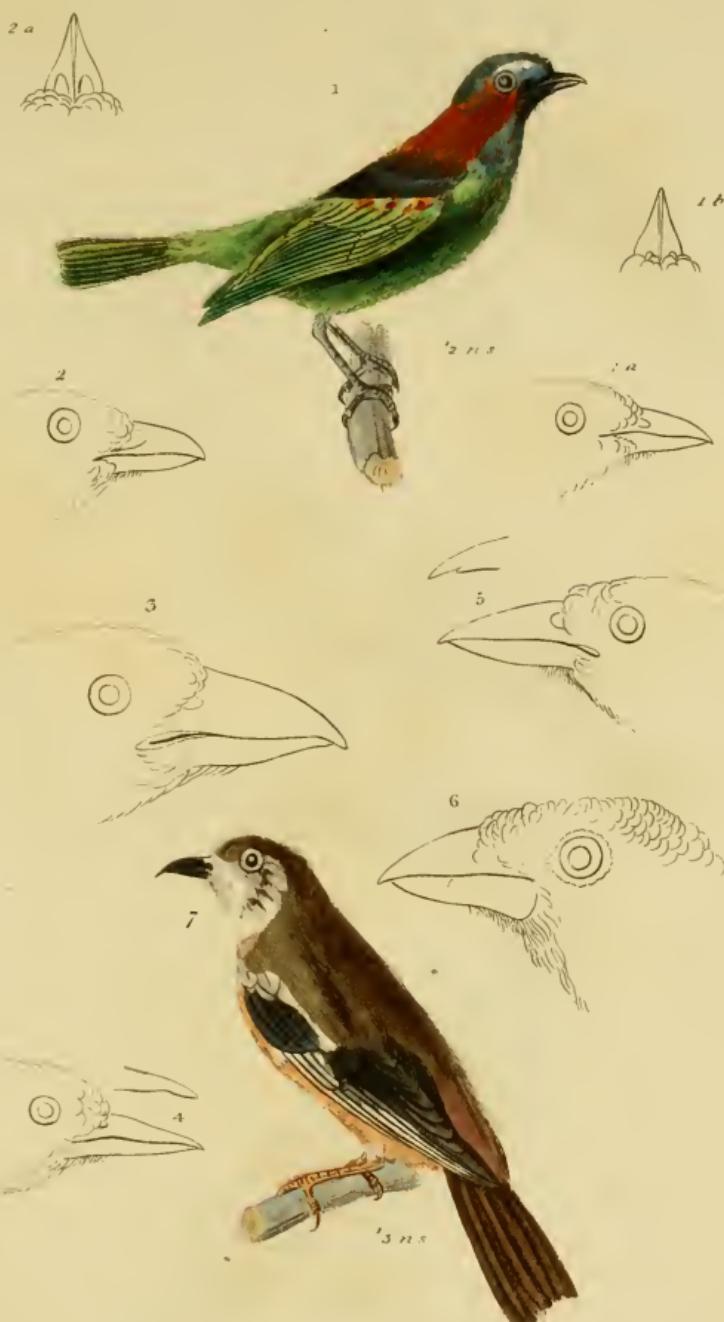
1. *Colinus chinensis* Lin. *The Chinese Grouse* / 2. *Ortygis pugnax* Tem. *The Fighting Grouse of Java* / 3. *Tinamus rufescens* Tem. *The Rufous Tinamoo* / 4. Bill of the *Tinamus brasiliensis* Lin. *The Brazilian Tinamoo*



Phasianus argus, (The Argus Pheasant)

London 6 Henderson ? Old Bailey

1. *Phasianus colchicus (the collared Pheasant)*2. *Gallus gallus Tem (the wild Cock of Java)*2.a. *The wild Hen of Java**London Lillenderson 2 Old Bailey.*

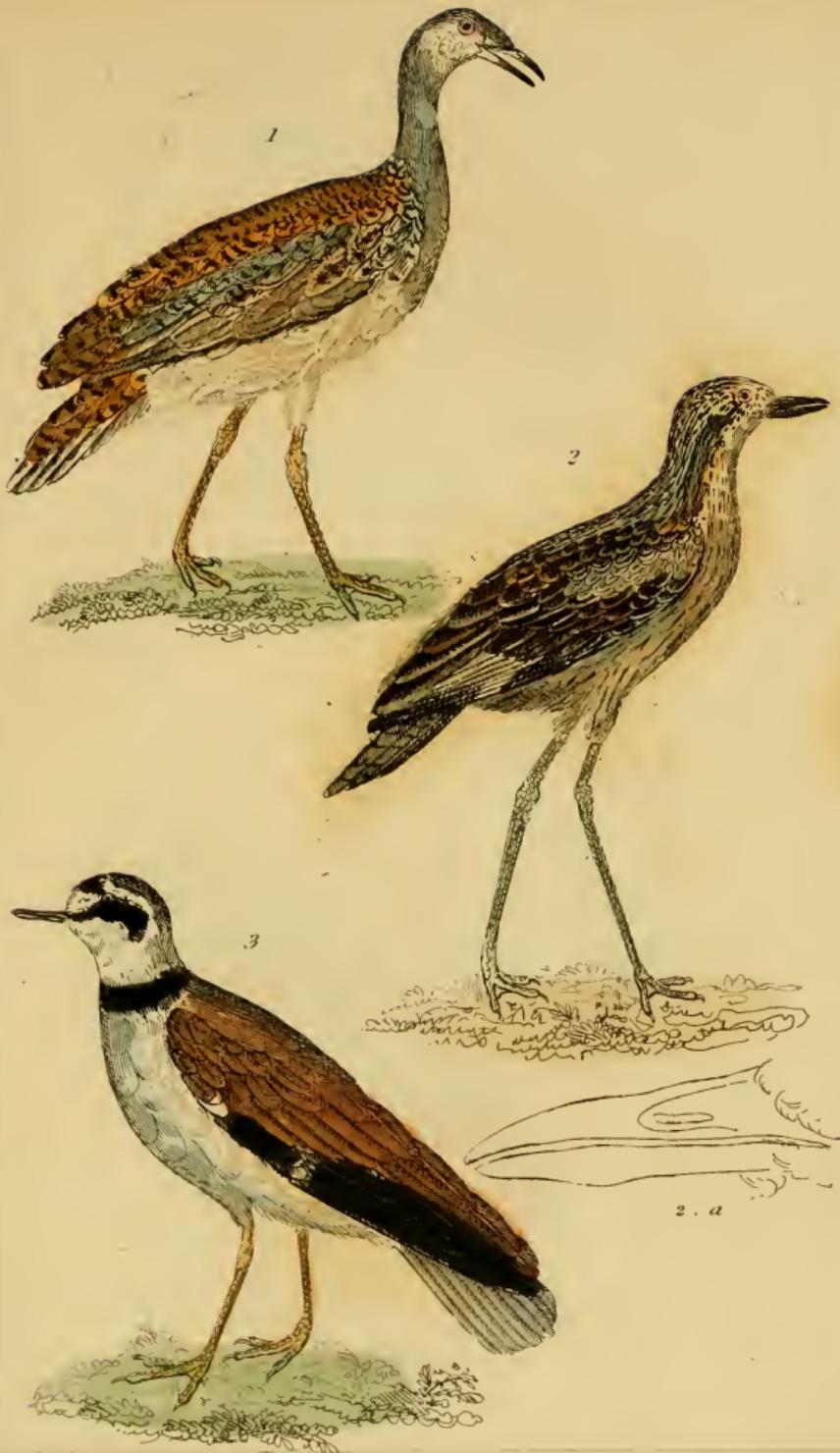


1 *Tanagra cyanoptera* The Blue headed Tanagra
 2 Bill of the *Tanagra cyanensis* Guinean Tanagra
 3 Bill of the *Tanagra Maja* Great Grisbeak Tanagra
 7 *Turdus albicollis* The White necked Thrush

4 Bill of the *Tanagra speculifera* Oriole Tanagra
 5 Bill of the *Tanagra nigerrima* Cardinal Tanagra
 6 Bill of the *Tanagra brasiliensis* Rhamphocelus Tanagra



1 *Goura coronata* (The Crowned Pigeon) 2 *Columba porphyrea* Tem. (The Porphyry Pigeon)
3 *Vinago aromaticus* (The Spicy Vinago)



1. *Otis tarda*, Lin. *The little Bustard* 2. (*Edeniornis longipes*, Geoff. St. Hill.

3. *Charadrius hiaticula*, Lin. *The Ring Plover*



1. *Otis ruficollis*. (in The Great Bustard) / 2. Bill of the *Otis tarda* L. (The little Bustard) / 3. Bill of the *Otis afra* Lath. (The Houbara) / 4. *Eudromias maculatus* Cuv. (The Speckled Thick Knee) / 5. Bill of the *Eudromias lineatum* Cuv. Lin. (The Common Thick Knee) / 6. *Charadrinus bicolor* L. (The bicolored Plover).



1. *Vanellus cayennensis* Tem. /The Cayenne Lap-wing/ 2. *Haematopus palliatus* Tem. /The Oystercatcher/ 3. *Tarsorus coromandelicus* Lath. /The Coremandel Swift-foot/ 4. Bill of the *Vanellus communis* /Tr. *Vanellus* Lin. /The European Lap-wing/ 5. Bill of the *Tringa squatarola* Guv. /The Lap-wing Plover/



♂ R. S.



2

♂ R. S.

1. *Trautzennia cochlearia* Lin. *The Boat Bill* 2. *Ardea agami* Buff. *The European Crane*



1. *Microdactylus cristatus* (Graff) / *The Short Finger* / 2. *Psophia crepitans* / *The Trumpeter* /

3. *Grus carunculata* / *The Crowned Crane* /



1. *Ciconia maguari* Vieill. / The Maguari, or American Stork / 2. Bill of the Jabiru Maguari, *ceregaleus* Lath. The Jabiru
3. *Scopus umbretta*, Vieill. / The Umber-coloured Stork /



1. *Ardea cinerea*, Lin. / The White Stork 2. *Mycteria americana*, Lin. / The American Jabiru 3. *Ardea major*, Lin. / The common Heron

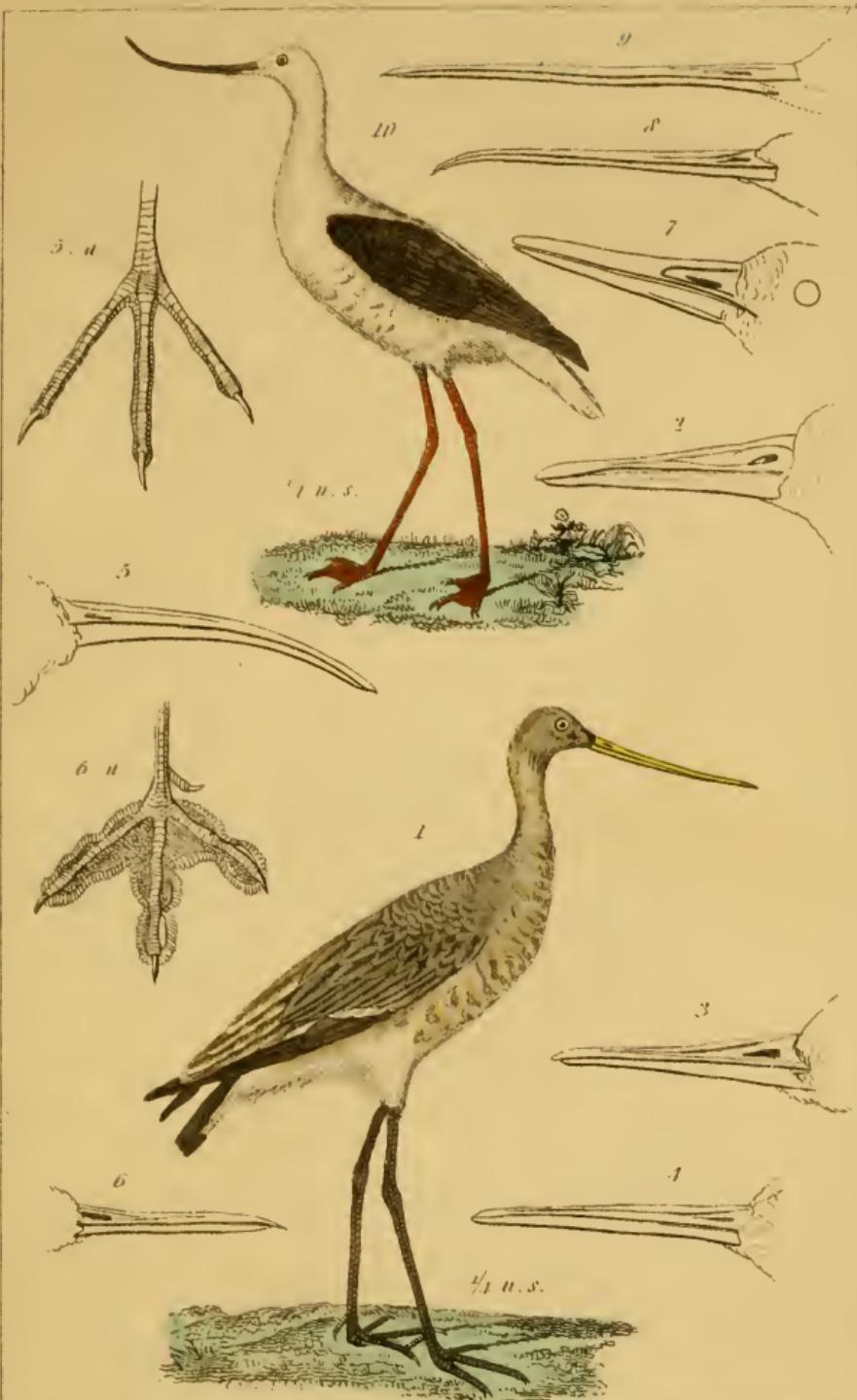
1 *Anastomus lamelliger* Tem. (The Laminated Open Bill) / 2 *Tantalus this* Lin. (The African Tantalus)3. *Platalea aliaia* Vieill. (The South American Spoon Bill)



1. *Scolopax gigantea*. Tem. /The Gigantic Woodcock/ 2. *Brychiorhynchus hilareca* Val. /The Brazilian Snipe/ 3. *Ibis religiosa*. /The Sacred Ibis/



1. *Tringa islandica*, Gmelin (The Sandpiper) / 2. *Tringa pugnax*, Lin. (The Ruff) /
3. *Scopula arquata*, Lin. (The European Curlew) /



1. *Larus melanurus*, L. (The Black-tailed Godwit) 2. Bill of the *Calidris rufa*, Wils. (The Red Sandpiper)
 3. Bill of the *Arenaria interpres*, Linn. (The Common Sandpiper) 4. Bill of the *Phalaropus alpinus*, Linn. (The Alpine Phalarope) 5. Bill of the *Scolopax rusticola* L. (The Pigmy Curlew) 6. Bill of the *Phalaropus lobatus* (The Lobated Phalarope) 7. Bill of the *Stripsalis interpres*, L. (The Strepsidris) 8. Bill of the *Totanus fuscus* L. (The Fuscos Sandpiper) 9. Bill of the *Himantopus nigricollis*, Wils. (The American Long-shanks) 10. Recurvirostra orientalis, (The Oriental Avocet)



1. *Fulica chloropus*, Lin. / The Water Hen / 2. *Fulica atra*, Gmelin. / The Coot /

3. *Fulica atra*, Gmelin. / The Coot /



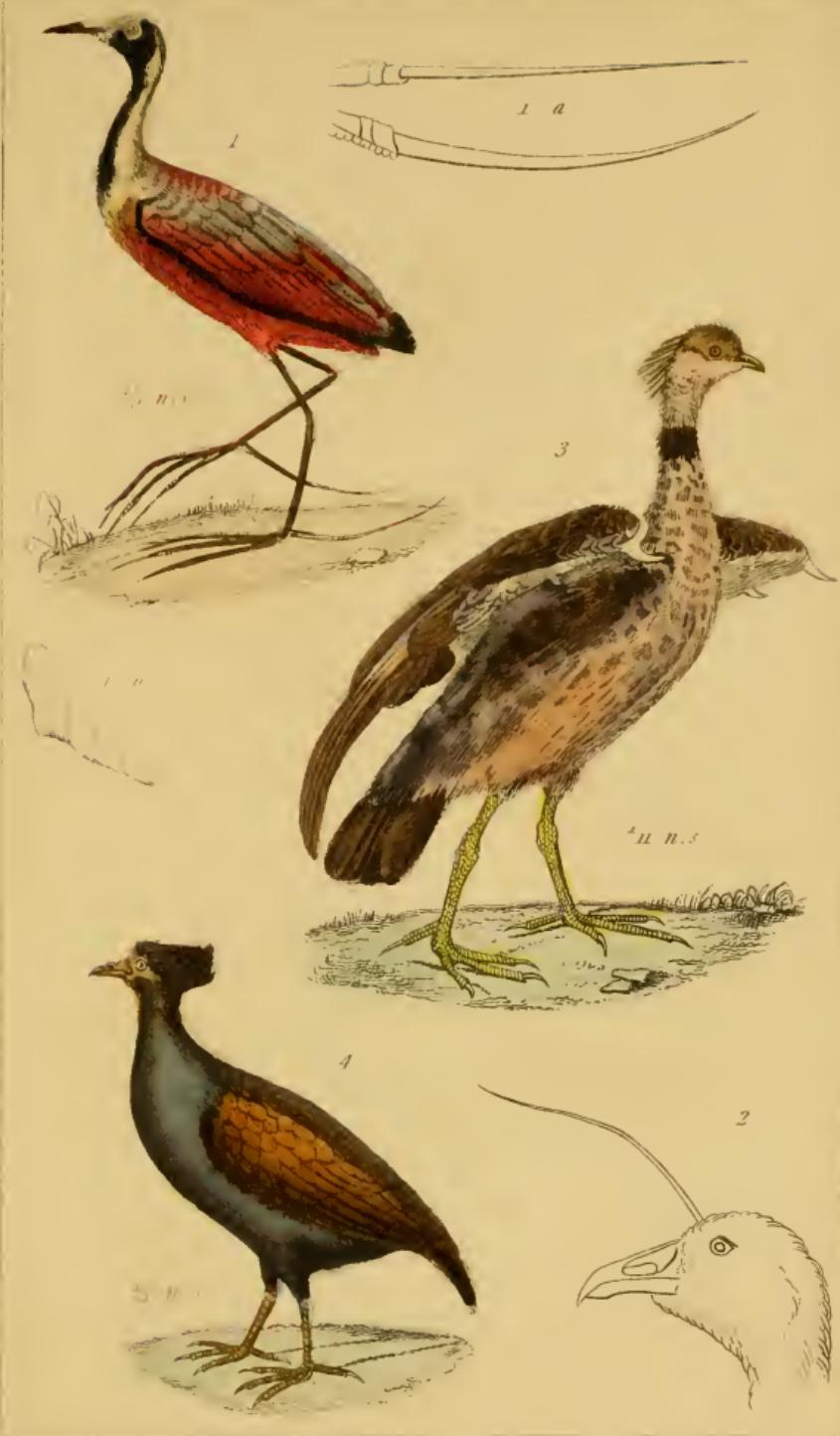
1. *Pteroclidus curvirostra* Lin. 2. *Numenius*.

3. *Recurvirostra aciculata* Lin.

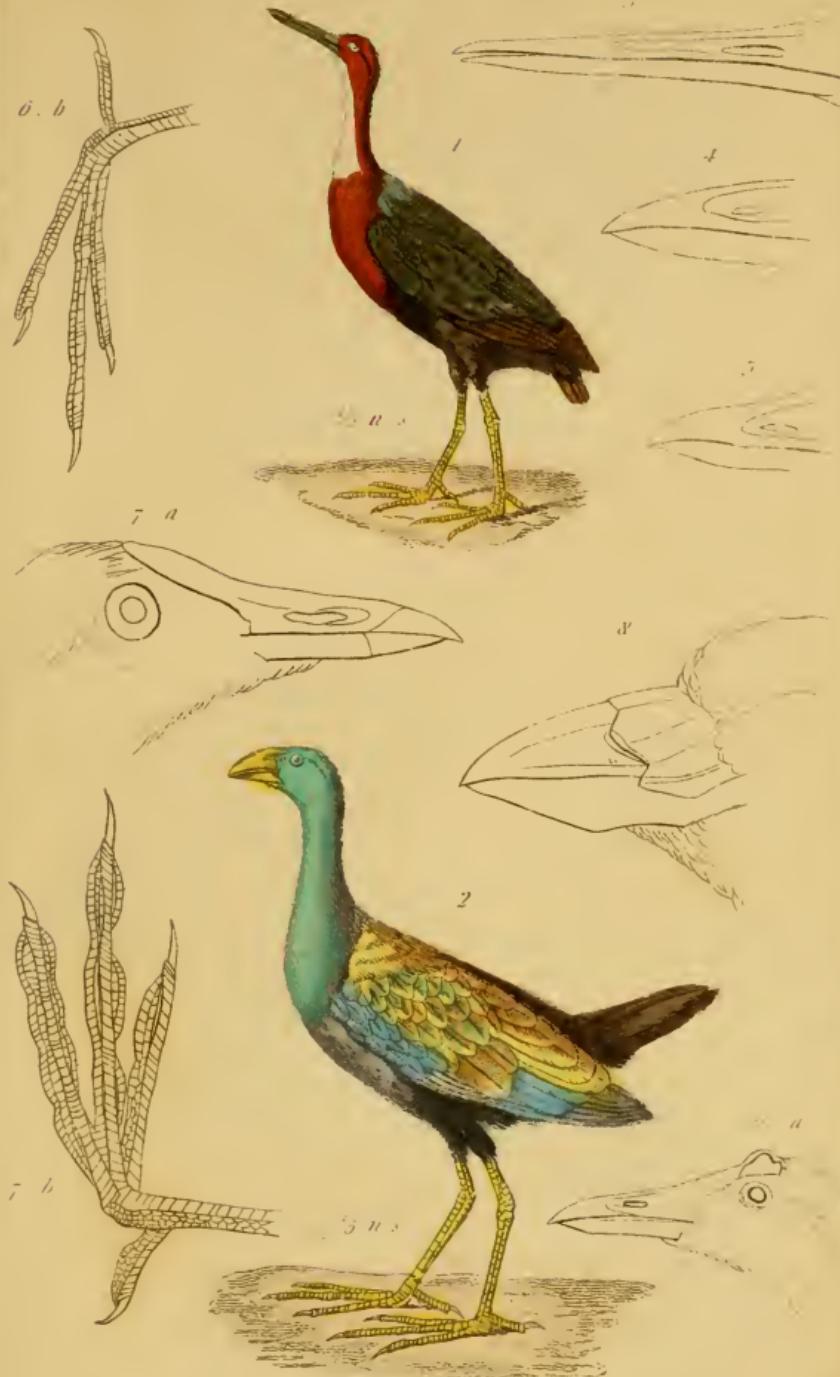


1 *Tringa vanellus*, Lin. *The European Lapwing* 2. *Hematopus ostralegus* Lin. *The Oyster catcher*

3. *Cursorius isabellinus* Meyer.



1. *Parva albina* : Lodd Geoff. Musas de Zoologie (The Bronzed Jacana) 2. *Head of the Palamedea cornuta Lin.* (The horned or Horned Screamer) 3. *Channa chavaria Lin.* (The Chachalaca of Paraguay) 4. *Megapodus Papuensis* : Lodd. & Lescou. (The Toven of Papuerry)

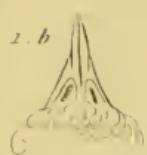


1. *Rallus philippinus*. The European Water Rail. 2. *Porphyrio porphyrio* Tem. The Emerald or Sultana Rail.
 3. Bill of the *Rallus aquaticus* Lin. The Water Rail. 4. Bill of the *Rallus tenuirostris* Lin. The Rail. 5. Bill of the
Rallus purpureus Lin. The Spotted Rail. 6. Bill & foot of the *Gallinula chloropus* Lin. The Water Hen. 7. Bill
 & foot of the *Porphyrio porphyrio* Tem. The Sultana Rail. 8. Head of the *Chionis nectophaga* Vieill. The Sheath-bill.



1. *Scolopax rusticola* 6m 2. *Scolopax herodias* Lath

3. *Phalaropus fulicarius* Lath



3.



1. *Glareola lactea* Tem. The Milky Pratincole. 2. *Phoenicopterus ruber* L. et G. Geoff. et d'Orb. The Fiery Flamingo. 3. Bill of the *Phoen. ruber* End. The L. o. Flamingo.



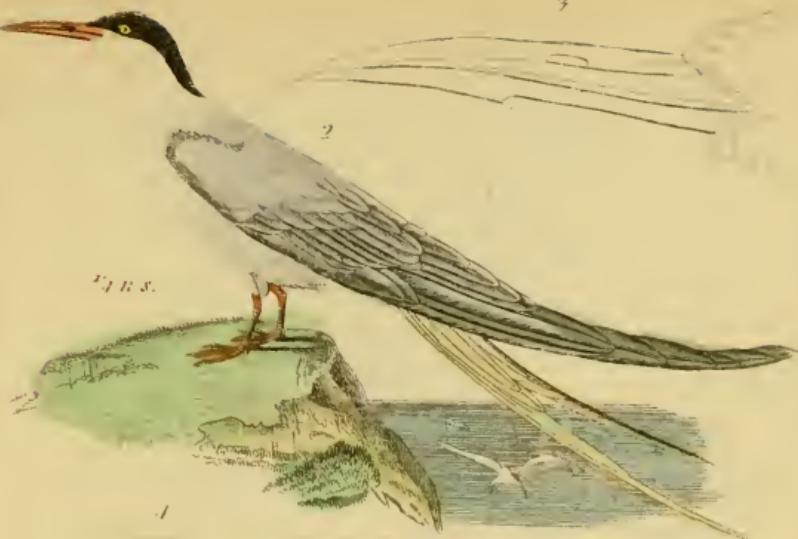
1. *Gallinago austriaca*, Linn. The European Partridge or Sea Partridge / 2. *Phoenicopterus ruber*, Linn. The Red Flamingo / 3. *Vultur phoeniceus*, Lath. The Sheath-bill.





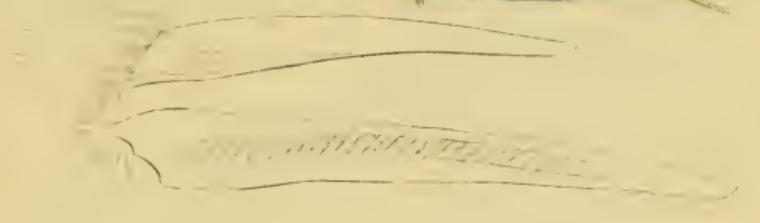
1 *Podiceps cornutus* Vieill. / The Dusky Grebe / 2. *Helornis surinamensis* Gmel. / The Surinam Helornis / 3 Head & Foot of the *Gavia glacialis* L. / The Great Northern Diver / 4 Bill of the *Vira grylle* Vieill. / The Spotted Guillemot or Greenland Dove / 5 *Cephus minor* Gmel. / The Little Guillemot /

3



2. *S. h. s.*

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4. *R. n. s.*

1. *Larus marinus*. L. (The Great black-backed Gull) 2. *Sternula hirundo*. L. (The Common Tern or Sea Swallow) 3. Bill of the Noddy *Sterna stolzla*. L. (The Noddy) 4. Bill of the Rynchops *nigra* L. (The Black Skimmer)

1. *Pelecanus onocrotalus*. 2. *Phaethon lepturus*. The long-tailed tropicbird. 3. *Phalacrocorax carbo*.

2. The South Sea frigate bird. 3. Cormorant. The cormorant.

Tropicbird. Cormorant.



1. *Aptenodytes patagonicus* Gmel. (The Great Penguin) 2. *Alca torda* (L.) (The Common duck)



1 *Procellaria pelagica*, Lin. Mother Carey's Chicken 2 Bill of the *Prox. glacialis* Gmel. The Fulmar 3. Bill of the *Puffinus equinoctialis* Edw. The Equinoctial Puffin 4. Bill of the *Pachyptila vittata* Forst. The Zoned Prion 5. *Diomedea melanophris*. The Albatross



1. *Diomedea exulans*, Lin. *The common Albatross* / 2. *Procellaria capensis*, *The Cape Petrel or Cape Pigeon* / 3. *Larus hyperboreus*, Lin. *The Arctic Gull* /



1. *Onychoprion fuscatus* L. (The Sooty Tern) 2. *Cygnus atratus* Lath. (The Black Swan)

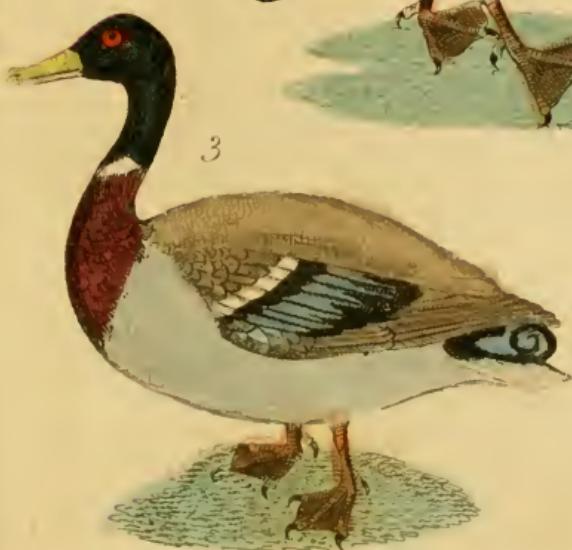
3. *Rynchops niger* L. (The Black Skimmer)



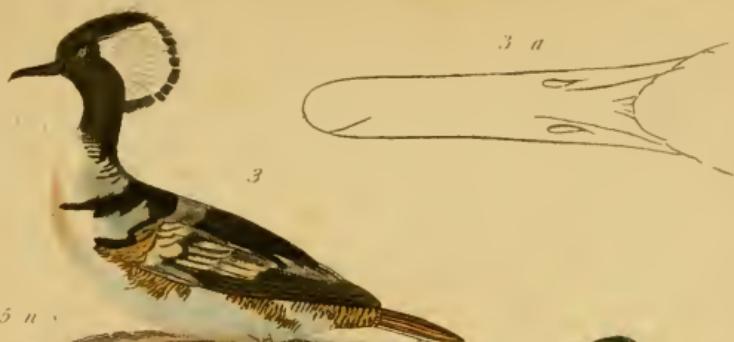
1. *Plotus Levaillanti* Bechst. / *The Black bellied Darter.* / 2. *Sula parva*, Gmel. / *The Bassan or Common Booby.* / 3. *Phaeton Phoenicurus* Vieill. / *The Common Tropic Bird.* /



1. *Cygnus olor* Gmel. The Red-billed or Domestic Swan 2. *Anser Bernache erythropus* Gmel
(The Barnacle Goose) 3. *Anas Garrot* (Albola) Gmel. The Golden Eye



1 Anser *Canadensis* Meyer (The Wild Goose) 2 *Mergus serrator* L (The Red Breasted Merganser)
3 Anas *boschas* L (The Wild Mallard)



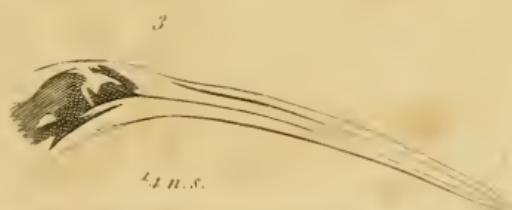
1. Eider (*Anas mollissima* L. / The Eider or St. Luthbert's Duck) 2. Tadorna (*A. boschas* L. / The Mallard)
 3. Mergus (*euclattus* Ent / The Goosander)



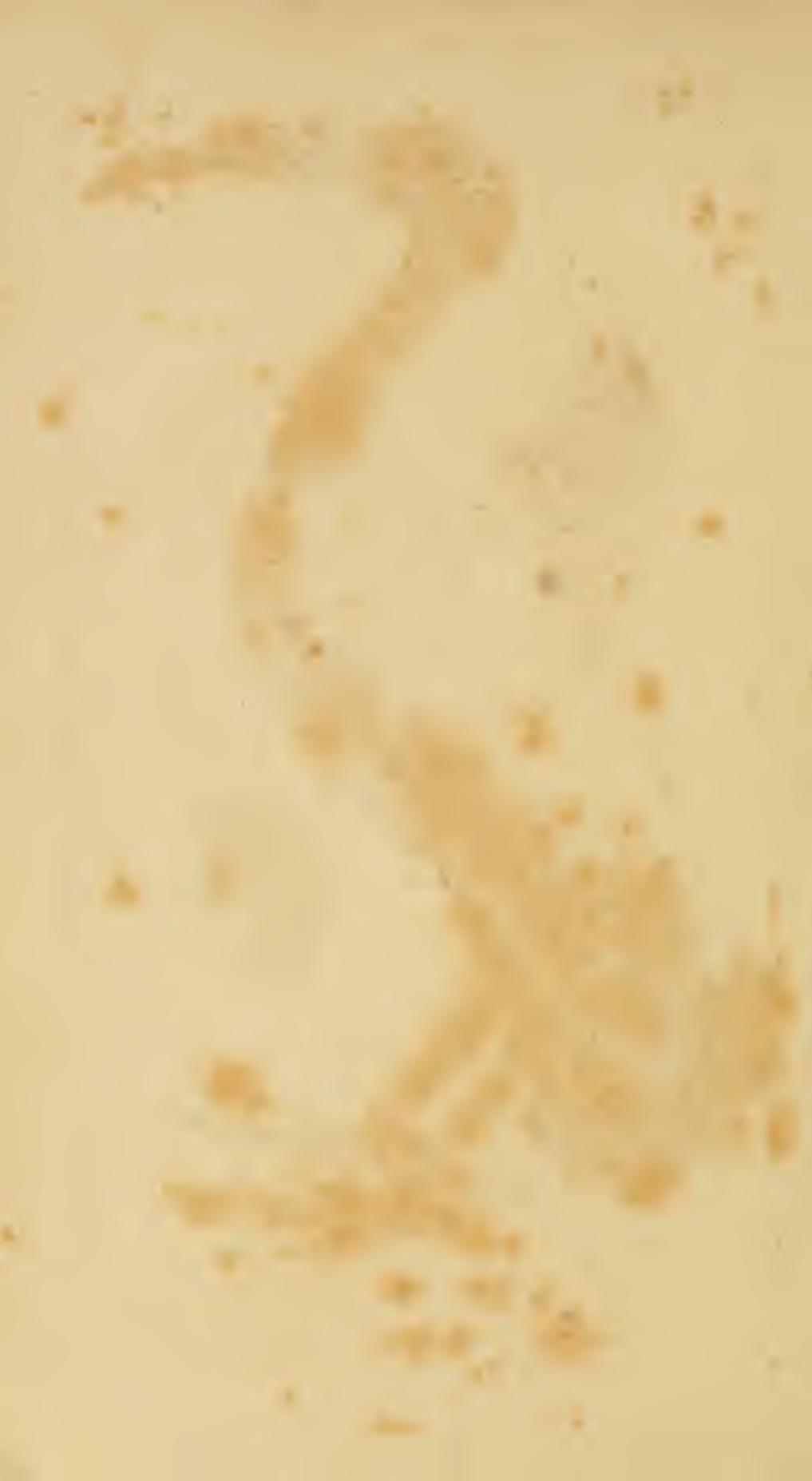


1 *Stenoceros camelus* Cuv. *The Ostrich*

2 *Casuarius galeatus* Vieill. *The galeated Cassowary*



1. Skeleton of the Ibis from a Mummy found at Thebes in Egypt. 2. Figure of the Ibis copied from one of the Temples in Upper Egypt. 3. Bill drawn from the Mummy of an Ibis by M^r Olivier.





1. *Numenius Ibis.* / *The true Ibis of the Egyptians.*





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Z. P. METCALF

